

***NATIONAL WEATHER SERVICE INSTRUCTION 10-302***

***July 8, 2003***

***Operations and Services***

***MARINE AND COASTAL WEATHER SERVICE PROGRAM, NWSPD 10-3***

***MARINE AND COASTAL SERVICES AREAS OF RESPONSIBILITY***

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***SUMMARY OF REVISIONS:*** This directive supersedes NWSI 10-302, dated May 21, 2002. This directive follows a new format; includes an updated map of the marine zones for WFO Buffalo, NY; and corrected maps for the North Atlantic and East Pacific, Alaska and Hawaii Offshore Areas of Responsibility. This directive includes a Coastal and Offshore Marine Codes Listings for EAS and NWR Applications.

Signed

June 20, 2003

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Gregory A. Mandt  
Director, Office of Climate,  
Water, and Weather Services

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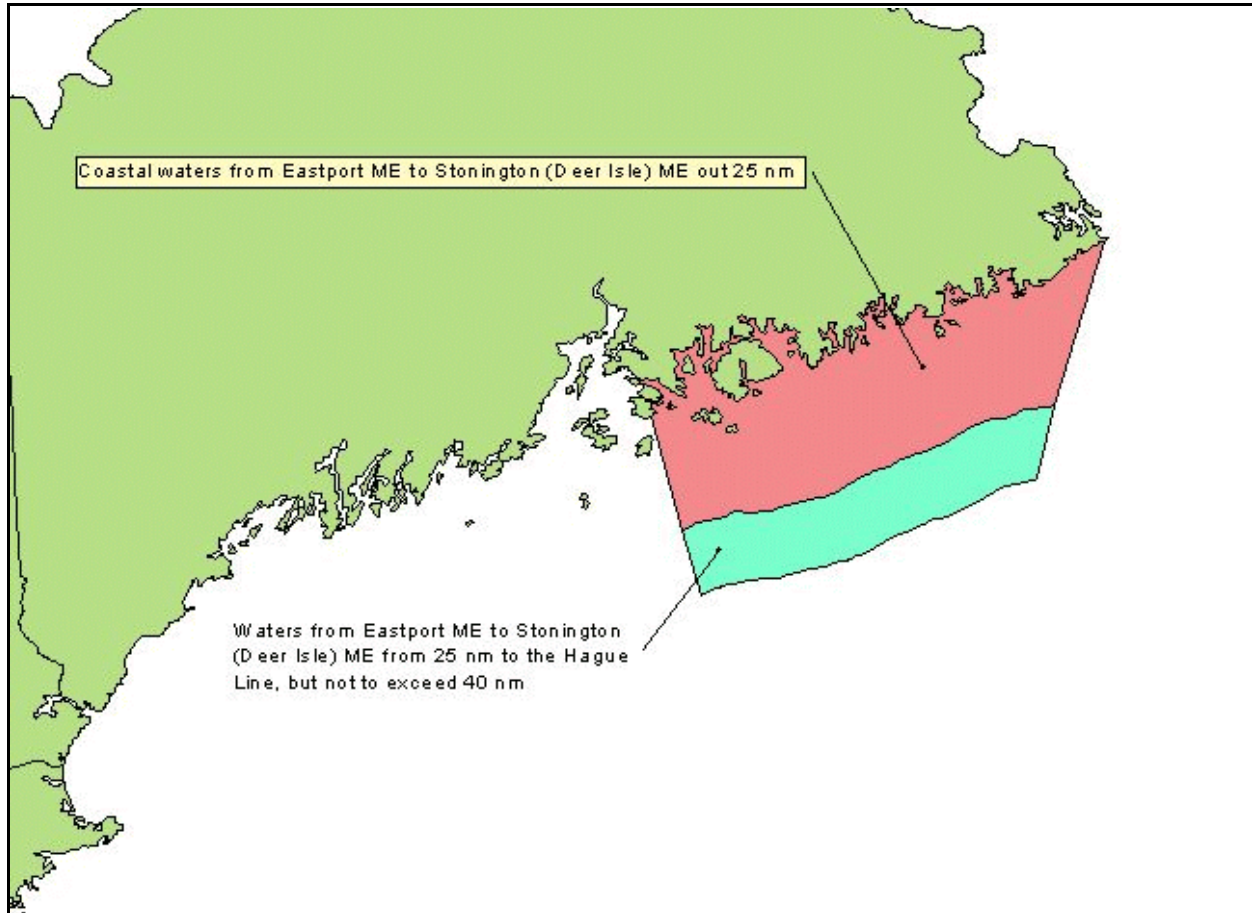
Date

**MARINE AND COASTAL SERVICES AREAS OF RESPONSIBILITY**

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1. Coastal Waters Forecast Areas of Responsibility

MARINE ZONES FOR WFO CARIBOU, ME



CARIBOU, ME (CAR) FZUS51 KCAR

AREA OF RESPONSIBILITY BOUNDARIES

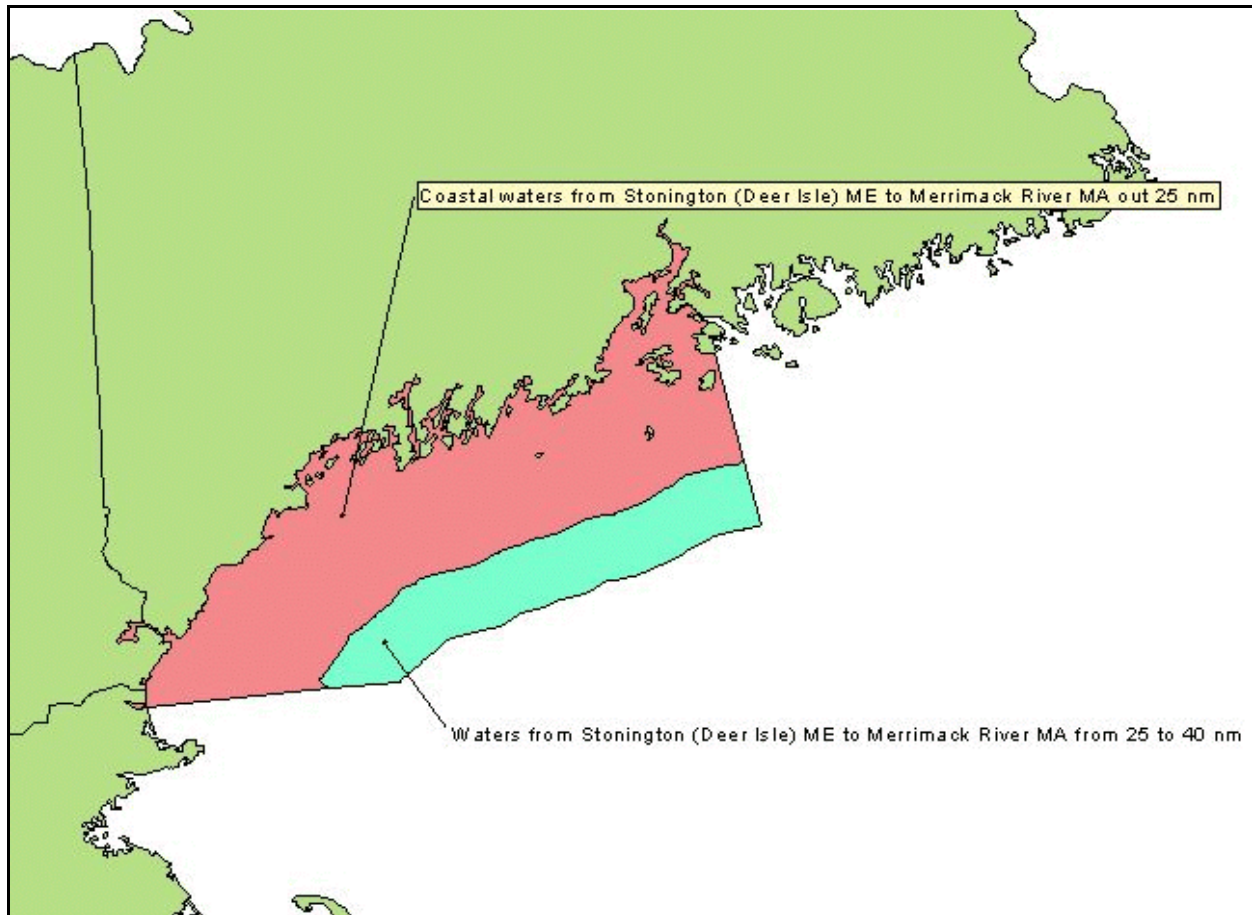
US-Canada border to Stonington (Deer Isle) ME out 25 NM  
(Special Marine Warnings out to the Hague Line but not to exceed 40 NM)

ANZ005 Synopsis for Eastport ME to Stonington (Deer Isle) ME out 25NM  
ANZ050 Coastal Waters from Eastport ME to Stonington (Deer Isle) ME out 25 NM

ANZ070\* \*Waters from Eastport ME to Stonington (Deer Isle) ME  
from 25 NM to the Hague Line, but not to exceed 40 NM

\* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO GRAY, ME



GRAY, ME (GYX) FZUS51 KGYX

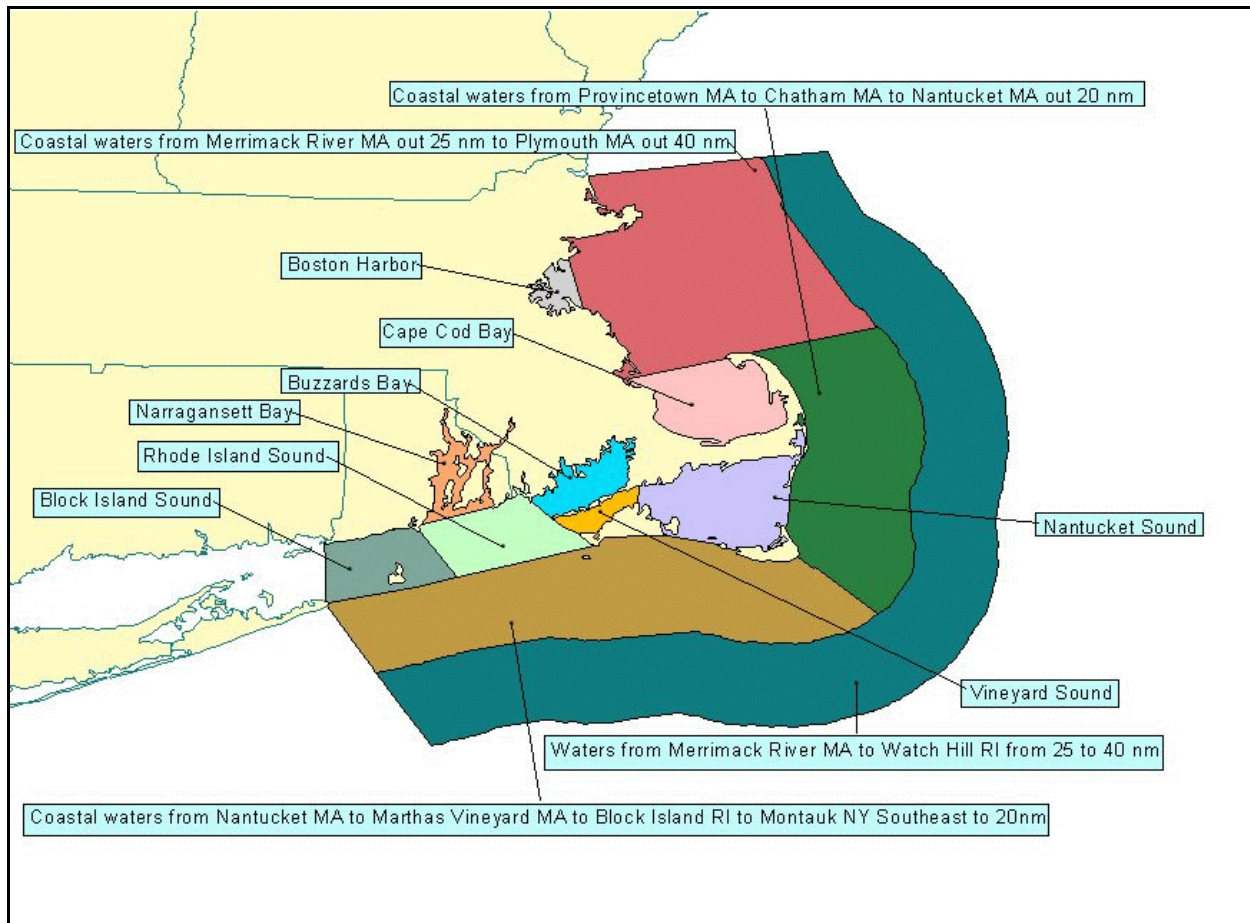
AREA OF RESPONSIBILITY BOUNDARIES

Stonington (Deer Isle) ME to the Merrimack River MA out 25 NM  
(40 NM FOR Special Marine Warnings)

ANZ100 Synopsis for Stonington (Deer Isle) ME to Merrimack River MA out 25NM  
ANZ150 Coastal Waters from Stonington (Deer Isle) ME to Merrimack River MA  
out 25 NM  
ANZ170\* \*Waters from Stonington (Deer Isle) ME to Merrimack River MA from  
25 to 40 NM

\* - For Special Marine Warning purposes only.

## MARINE ZONES FOR WFO TAUNTON, MA



TAUNTON, MA (BOX) FZUS51 KBOX

### AREA OF RESPONSIBILITY BOUNDARIES

Merrimack River, MA, to CT-RI border out 20 NM (40 NM for Special Marine Warnings)

- ANZ200 Synopsis for MA and RI waters
- ANZ250 Coastal waters from Merrimack River, MA, out 25 NM to Plymouth, MA out 40 NM
- ANZ230 Boston Harbor
- ANZ231 Cape Cod Bay
- ANZ254 Coastal waters from Provincetown, MA to Chatham, MA to Nantucket, MA out 20 NM
- ANZ255 Coastal waters from Montauk, NY to Block Island, RI to Marthas Vineyard, MA to Nantucket, MA and 20 NM southeast.

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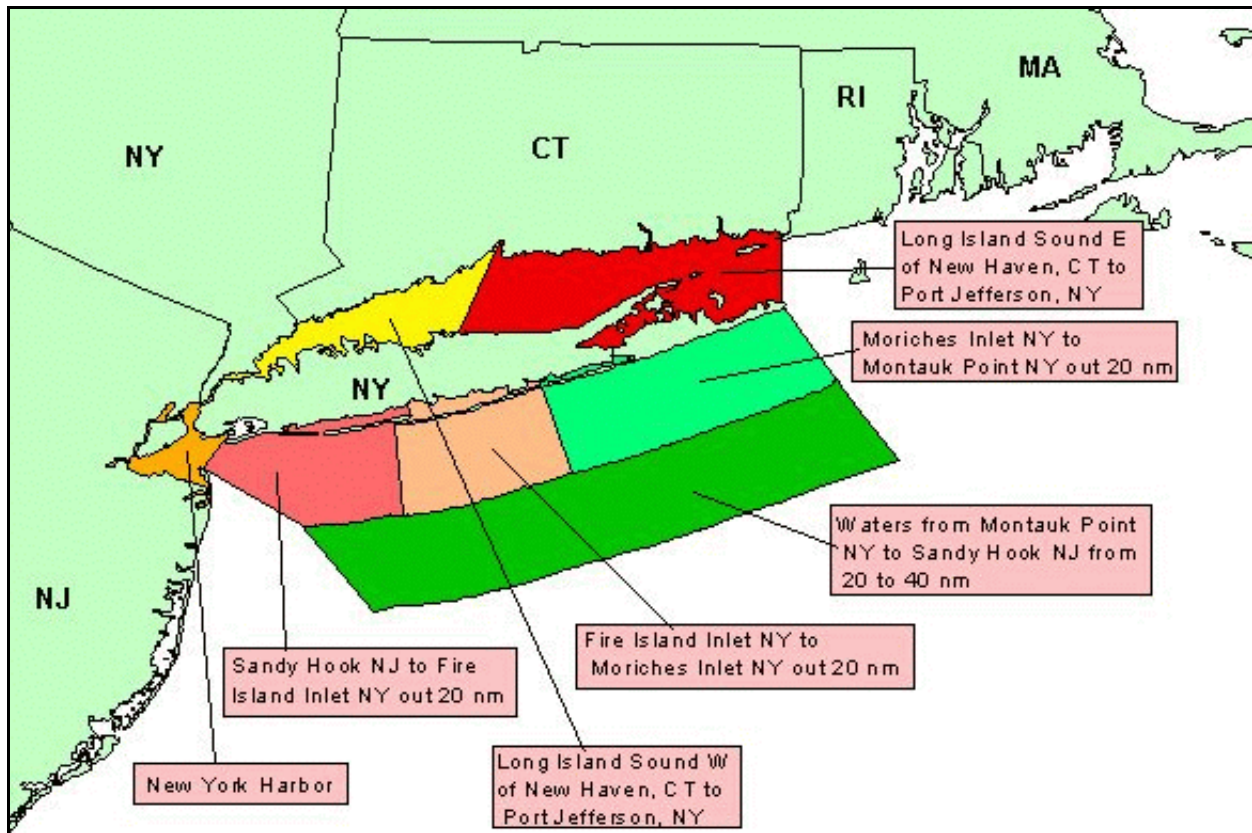
ANZ232	Nantucket Sound
ANZ233	Vineyard Sound
ANZ234	Buzzards Bay
ANZ235	Rhode Island Sound
ANZ236	Narragansett Bay
ANZ237	Block Island Sound

ANZ270\*      \*Waters from Merrimack River, MA, to Watch Hill, RI from 20 to 40 NM

\* - For Special Marine Warning purposes only.



MARINE ZONES FOR WFO UPTON, NY



UPTON, NY (OKX) FZUS51 KOKX

AREA OF RESPONSIBILITY BOUNDARIES

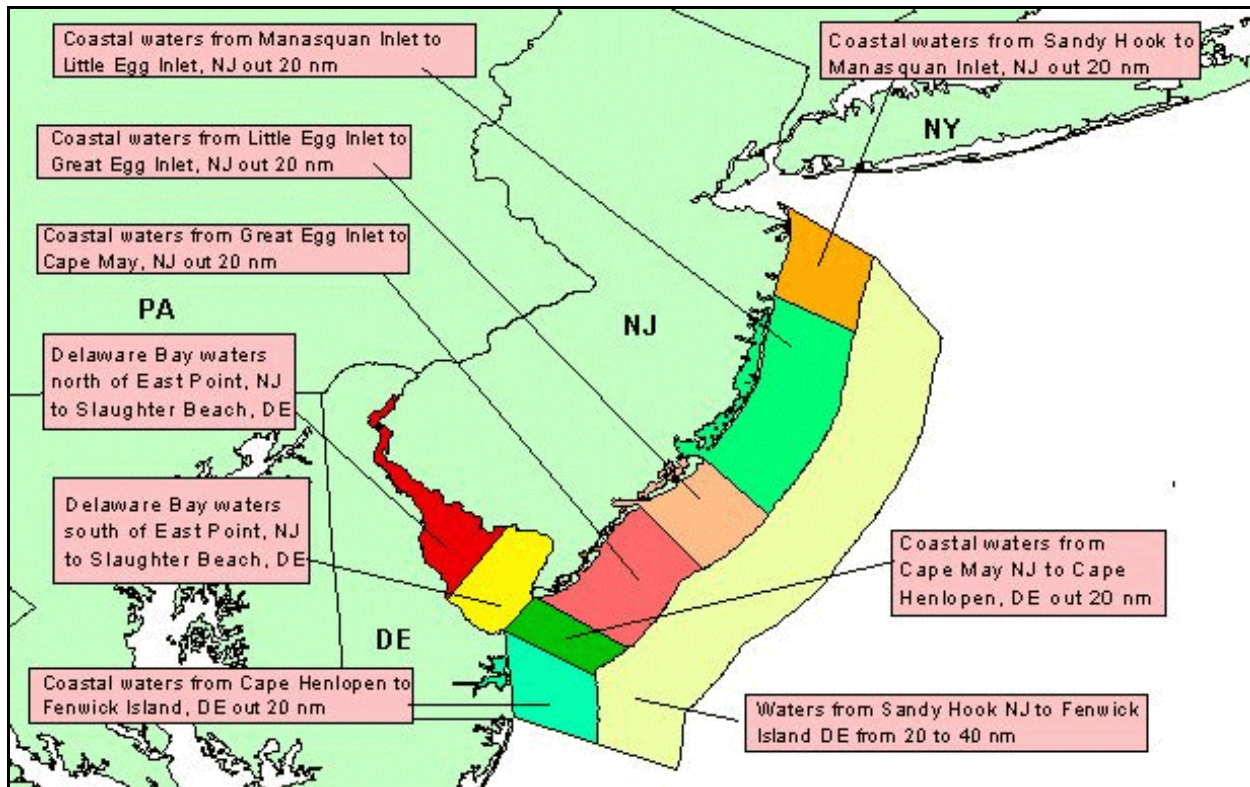
Montauk Pt., NY to northernmost point on Sandy Hook, NJ out 20 NM  
(40 NM for Special Marine Warnings)

- ANZ300 Synopsis for Long Island waters and New York Harbor
- ANZ350 Coastal waters from Moriches Inlet to Montauk Pt., NY out 20 NM
- ANZ353 Coastal waters from Fire Island Inlet to Moriches Inlet, NY out 20 NM
- ANZ355 Coastal waters from Sandy Hook, NJ to Fire Island Inlet, NY out 20 NM
- ANZ330 Long Island sound east of New Haven, CT to Port Jefferson, NY
- ANZ335 Long Island sound west of New Haven, CT to Port Jefferson, NY
- ANZ338 New York Harbor

ANZ370\* \*Waters from Montauk Pt., NY to Sandy Hook, NJ from 20 to 40 NM

\* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO MT HOLLY, NJ



MT. HOLLY, NJ (PHI) FZUS51 KPHI

AREA OF RESPONSIBILITY BOUNDARIES

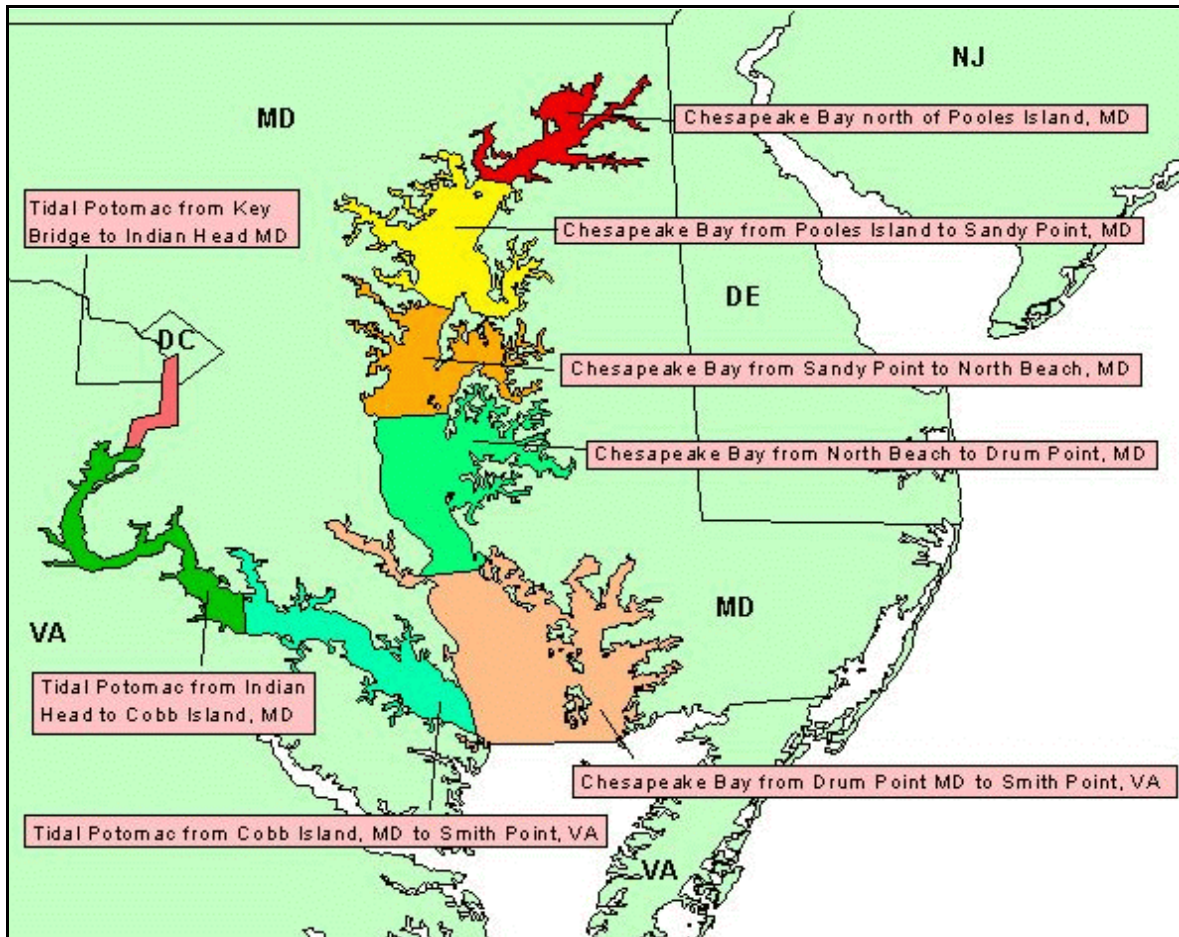
Northernmost point on Sandy Hook, NJ to MD-DE border out 20 NM  
(40 NM for Special Marine Warnings)

- ANZ400 Synopsis for Sandy Hook, NJ to Fenwick Island, DE
- ANZ450 Coastal waters from Sandy Hook to Manasquan Inlet, NJ out 20 NM
- ANZ451 Coastal waters from Manasquan Inlet to Little Egg Inlet, NJ out 20 NM
- ANZ452 Coastal waters from Little Egg Inlet to Great Egg Inlet, NJ out 20 NM
- ANZ453 Coastal waters from Great Egg Inlet to Cape May, NJ out 20 NM
- ANZ454 Coastal waters from Cape May, NJ to Cape Henlopen, DE out 20 NM
- ANZ455 Coastal waters from Cape Henlopen to Fenwick Island, DE out 20 NM
- ANZ430 Delaware Bay waters north of East Point, NJ to Slaughter Beach, DE
- ANZ431 Delaware Bay waters south of East Point, NJ to Slaughter Beach, DE
- ANZ470\* \*Waters from Sandy Hook, NJ to Fenwick Island, DE from 20 to 40 NM

\* - For Special Marine Warning purposes only.



MARINE ZONES FOR WFO STERLING, VA



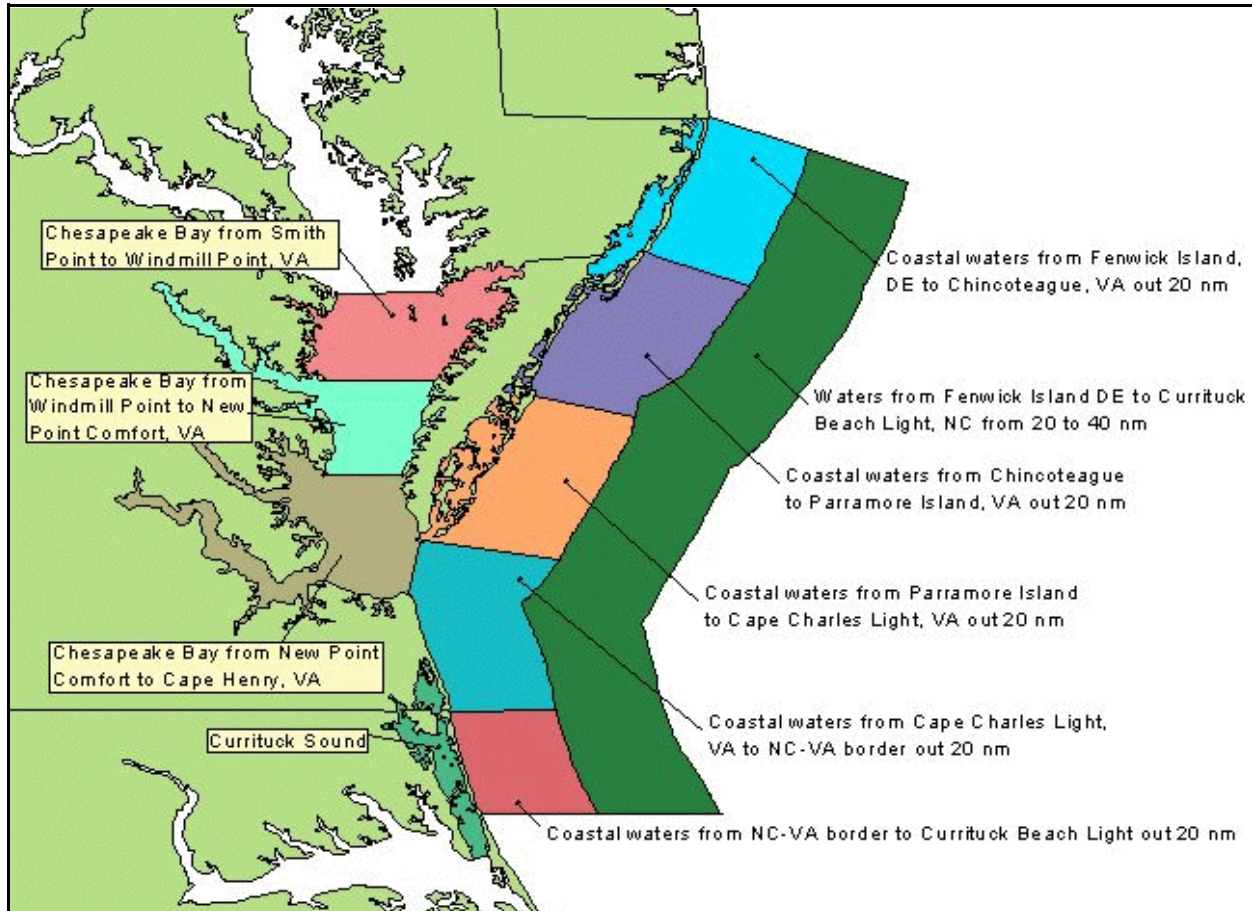
STERLING, VA (LWX) FZUS51 KLWX

AREA OF RESPONSIBILITY BOUNDARIES

Chesapeake Bay north of VA-MD border South of Susquehanna River, including Potomac River

- ANZ500 Synopsis for North Chesapeake Bay and the Tidal Potomac
- ANZ530 Chesapeake Bay north of Pooles Island, MD
- ANZ531 Chesapeake Bay from Pooles Island to Sandy Point, MD
- ANZ532 Chesapeake Bay from Sandy Point to North Beach, MD
- ANZ533 Chesapeake Bay from North Beach to Drum Point, MD
- ANZ534 Chesapeake Bay from Drum Point, MD to Smith Point, VA
- ANZ535 Tidal Potomac from Key Bridge to Indian Head, MD
- ANZ536 Tidal Potomac from Indian Head to Cobb Island, MD
- ANZ537 Tidal Potomac from Cobb Island, MD TO Smith Pt, VA

MARINE ZONES FOR WFO WAKEFIELD, VA



WAKEFIELD, VA (AKQ) FZUS51 KAKQ

AREA OF RESPONSIBILITY BOUNDARIES

Chesapeake Bay south of VA-MD border to west of a line from Cape Henry to Cape Charles Light, VA

MD-DE border to Dare-Currituck, NC, county line out 20 NM including Currituck Sound (40NM for Special Marine Warnings)

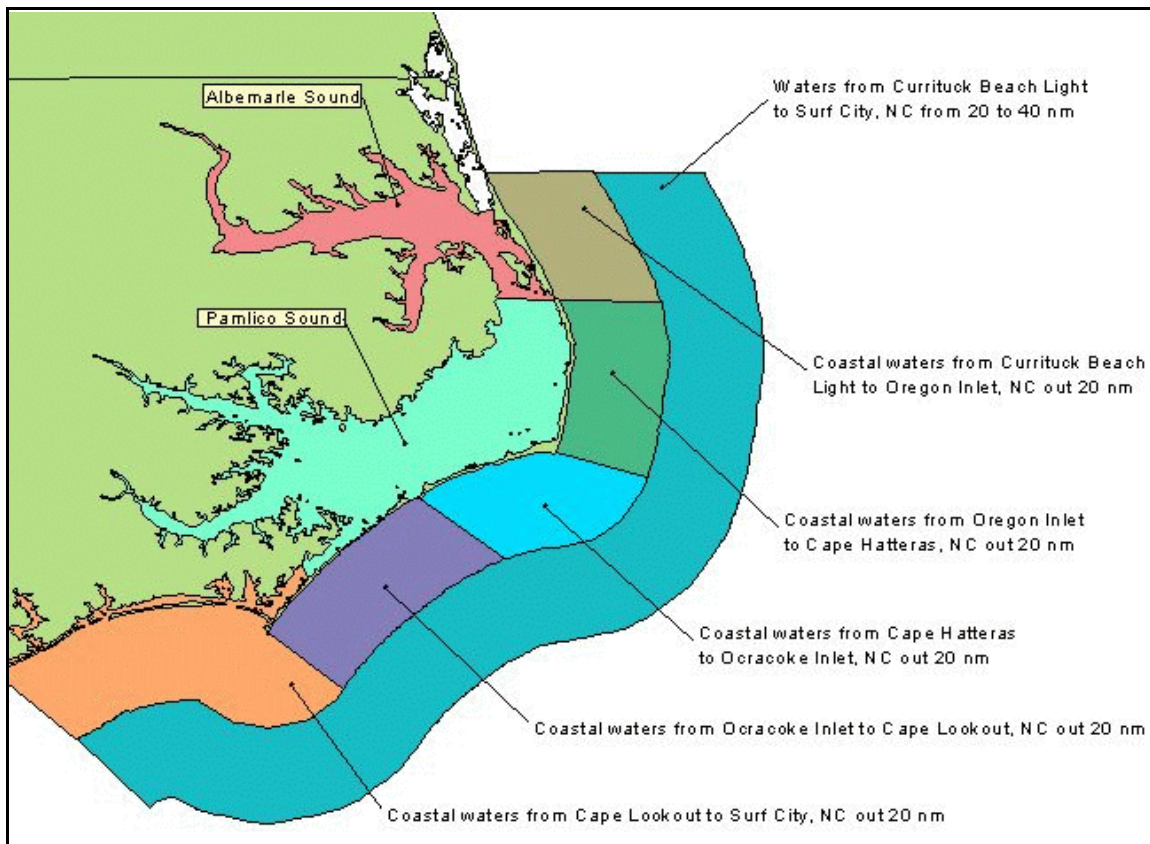
- ANZ600 Synopsis for Fenwick Island, DE to Currituck Beach Lt, NC out 20 NM including S. Chesapeake Bay and Currituck Sound
- ANZ630 Chesapeake Bay from Smith Point to Windmill Pt, VA
- ANZ631 Chesapeake Bay from Windmill Pt to New Point Comfort, VA
- ANZ632 Chesapeake Bay from New Point Comfort to Cape Henry, VA
- ANZ650 Coastal waters from Fenwick Island, DE to Chincoteague, VA out 20 NM

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ANZ652 Coastal waters from Chincoteague to Parramore Island, VA out 20 NM  
ANZ654 Coastal waters from Parramore Is. to Cape Charles Lt, VA out 20 NM  
ANZ656 Coastal waters from Cape Charles Light, VA to NC-VA border out 20 NM  
ANZ658 Coastal waters from NC-VA border to Currituck Beach Lt., NC out 20NM  
ANZ633 Currituck Sound

ANZ670\* \*Waters from Fenwick Is., DE to Currituck Beach Lt., NC from 20 to 40 NM  
\* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO MOREHEAD CITY, NC



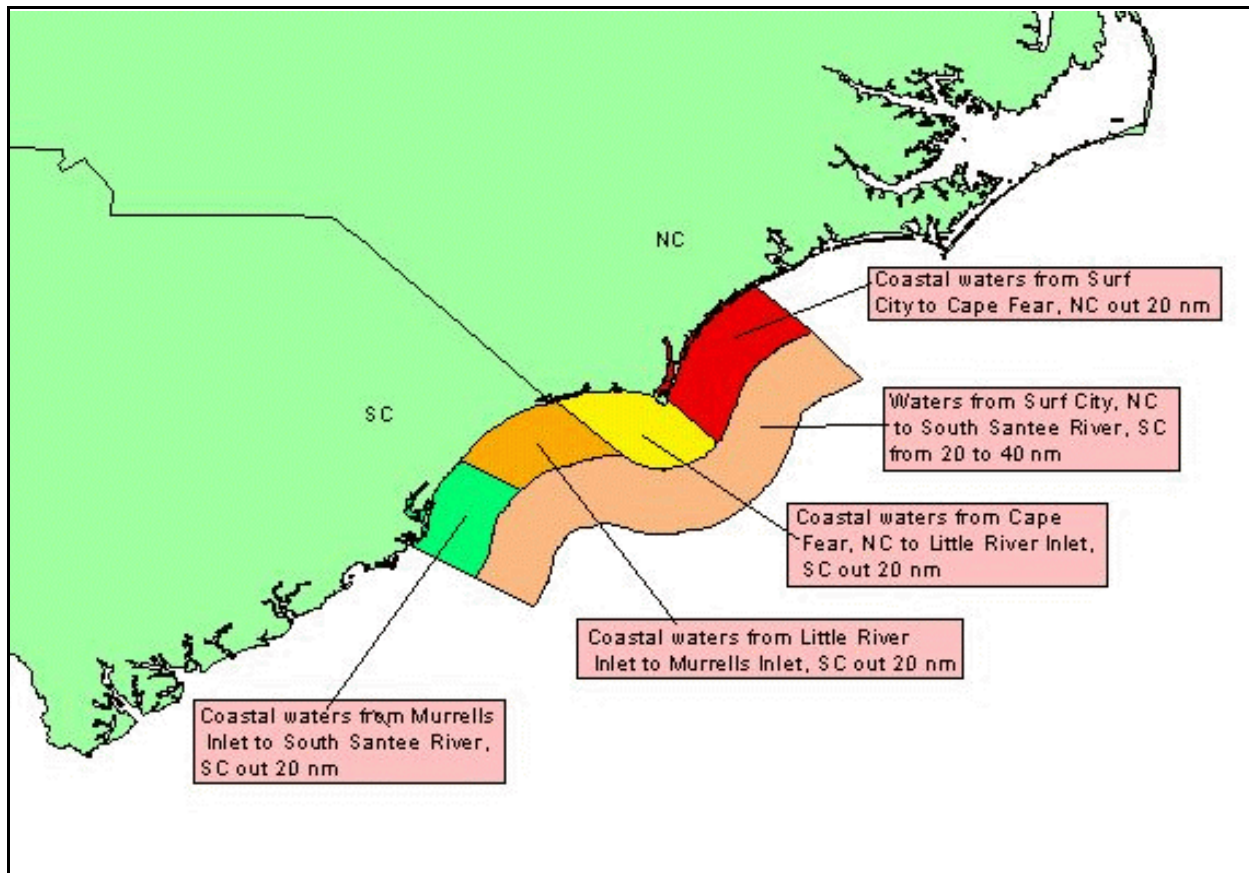
MOREHEAD CITY, NC (MHX) FZUS52 KMHX  
AREA OF RESPONSIBILITY BOUNDARIES

Dare-Currituck, NC, county line to Pender-Onslow, NC, county line out 20 NM, including Albemarle Sound and Pamlico Sound (40 NM for Special Marine Warnings)

- AMZ100 Synopsis for Currituck Beach Light to Surf City, NC out 20 NM, including Albemarle Sound and Pamlico Sound
- AMZ150 Coastal waters from Currituck Beach Light to Oregon Inlet, NC out 20 NM
- AMZ152 Coastal waters from Oregon Inlet to Cape Hatteras, NC out 20 NM
- AMZ154 Coastal waters from Cape Hatteras to Ocracoke Inlet, NC out 20 NM
- AMZ156 Coastal waters from Ocracoke Inlet to Cape Lookout, NC out 20 NM
- AMZ158 Coastal waters from Cape Lookout to Surf City, NC out 20 NM
- AMZ130 Albemarle Sound
- AMZ135 Pamlico Sound
- AMZ170\* \*Waters from Currituck Beach Light to Surf City, NC from 20 to 40 NM
- \* - For Special Marine Warning purposes only.



MARINE ZONES FOR WFO WILMINGTON, NC



WILMINGTON, NC (ILM) FZUS52 KILM

AREA OF RESPONSIBILITY BOUNDARIES

Pender-Onslow, NC, county line to Georgetown-Charleston, SC, county line out 20 NM  
(40 NM for Special Marine Warnings)

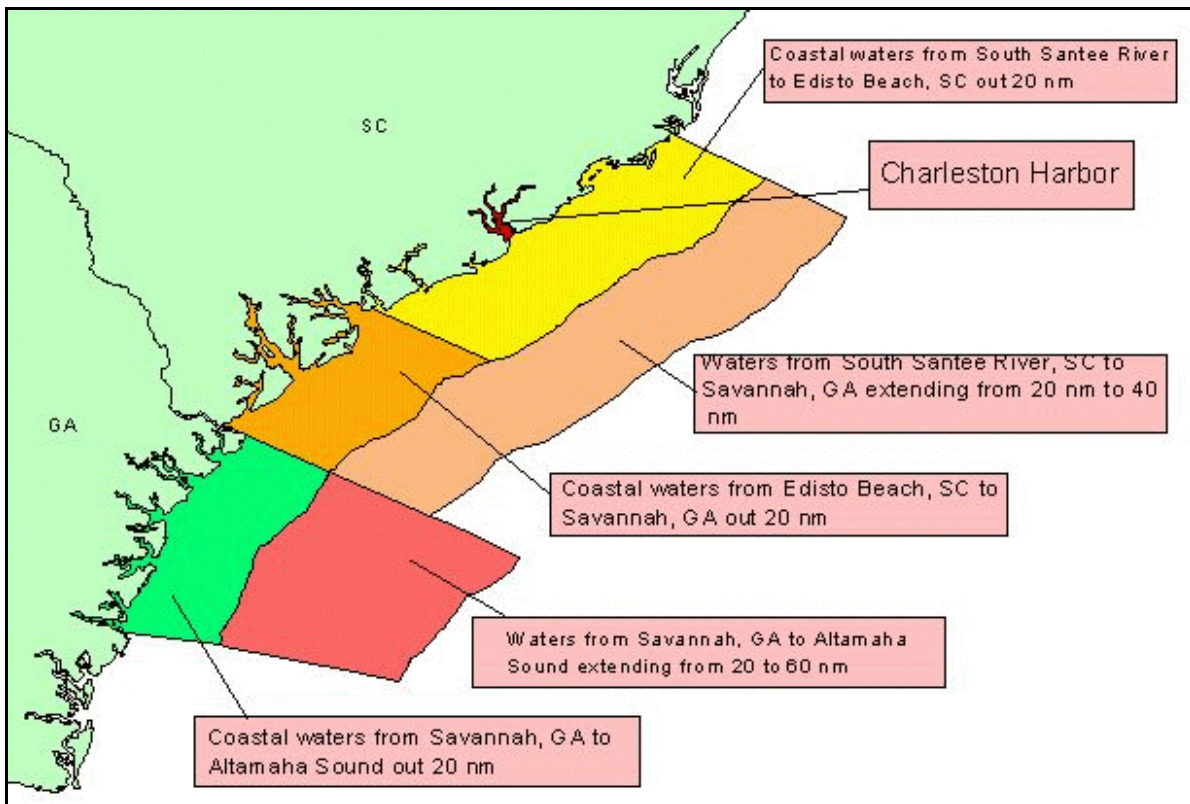
- AMZ200 Synopsis for Surf City, NC to South Santee River, SC out 20 NM
- AMZ250 Coastal waters from Surf City to Cape Fear, NC out 20 NM
- AMZ252 Coastal waters from Cape Fear, NC to Little River Inlet, SC out 20 NM
- AMZ254 Coastal waters from Little River Inlet to Murrells Inlet, SC out 20 NM
- AMZ256 Coastal waters from Murrells Inlet to South Santee River, SC out 20 NM

AMZ270\* \*Waters from Surf City, NC to South Santee River, SC from 20 to 40 NM

\* - For Special Marine Warning purposes only.



MARINE ZONES FOR WFO CHARLESTON, SC



CHARLESTON, SC (CHS) FZUS52 KCHS

AREA OF RESPONSIBILITY BOUNDARIES

Georgetown-Charleston, SC, county line to SC-GA border, out 20 NM including Charleston Harbor. (40 NM for Special Marine Warnings)

SC-GA border to Glynn-McIntosh, GA, county line out 60 NM

AMZ300 Synopsis for South Santee River, SC to Savannah, GA out 20 NM, including Charleston Harbor

AMZ350 Coastal waters from South Santee River to Edisto Beach, SC out 20 NM

AMZ352 Coastal waters from Edisto Beach, SC to Savannah, GA out 20 NM

AMZ330 Charleston Harbor

AMZ370\* \*Waters from South Santee River, SC to Savannah, GA from 20 to 40 NM

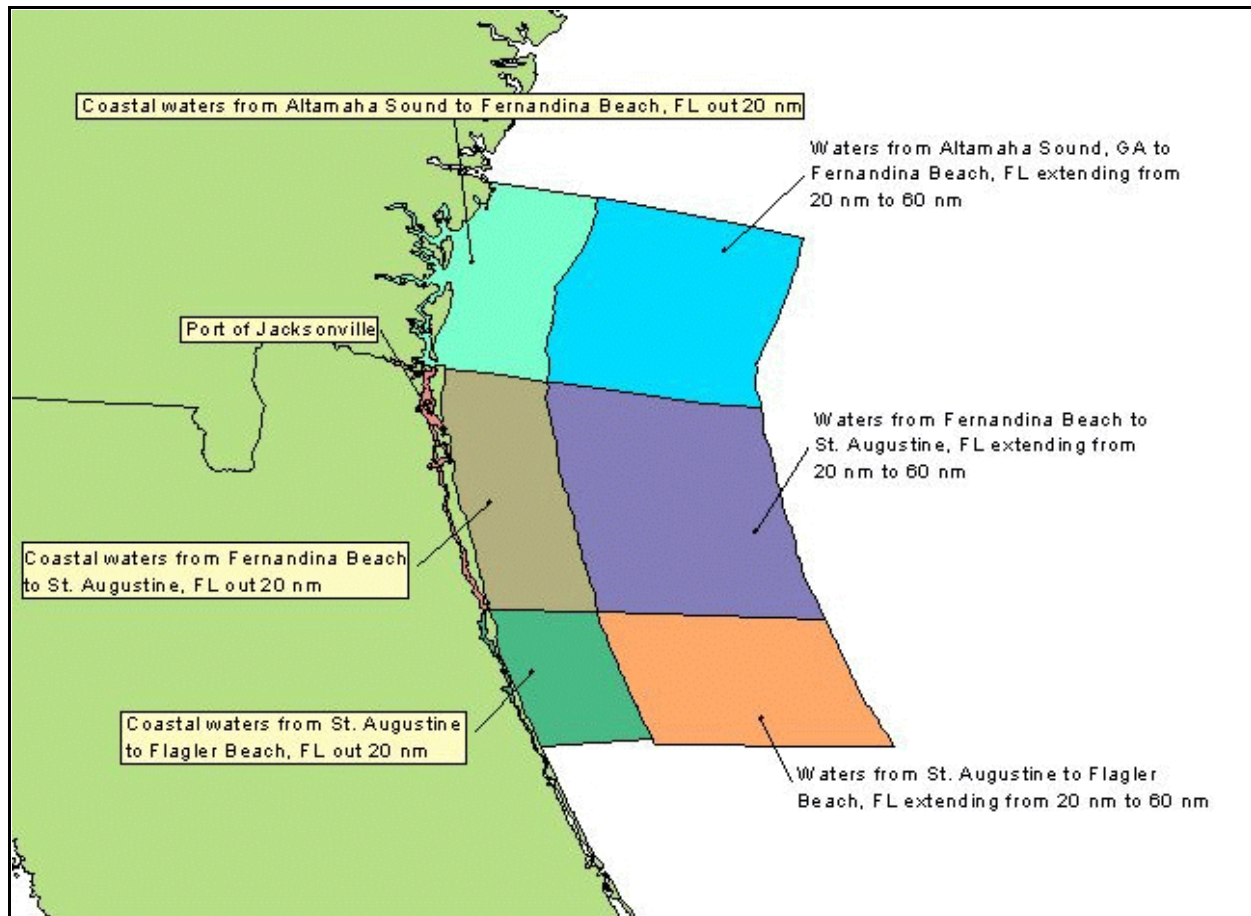
\* - For Special Marine Warning purposes only.

AMZ305 Synopsis for Savannah to Altamaha Sound, GA out 60 NM

AMZ354 Coastal waters from Savannah to Altamaha Sound, GA out 20 NM

AMZ374 Waters from Savannah to Altamaha Sd., GA from 20 to 60 NM

MARINE ZONES FOR WFO JACKSONVILLE, FL



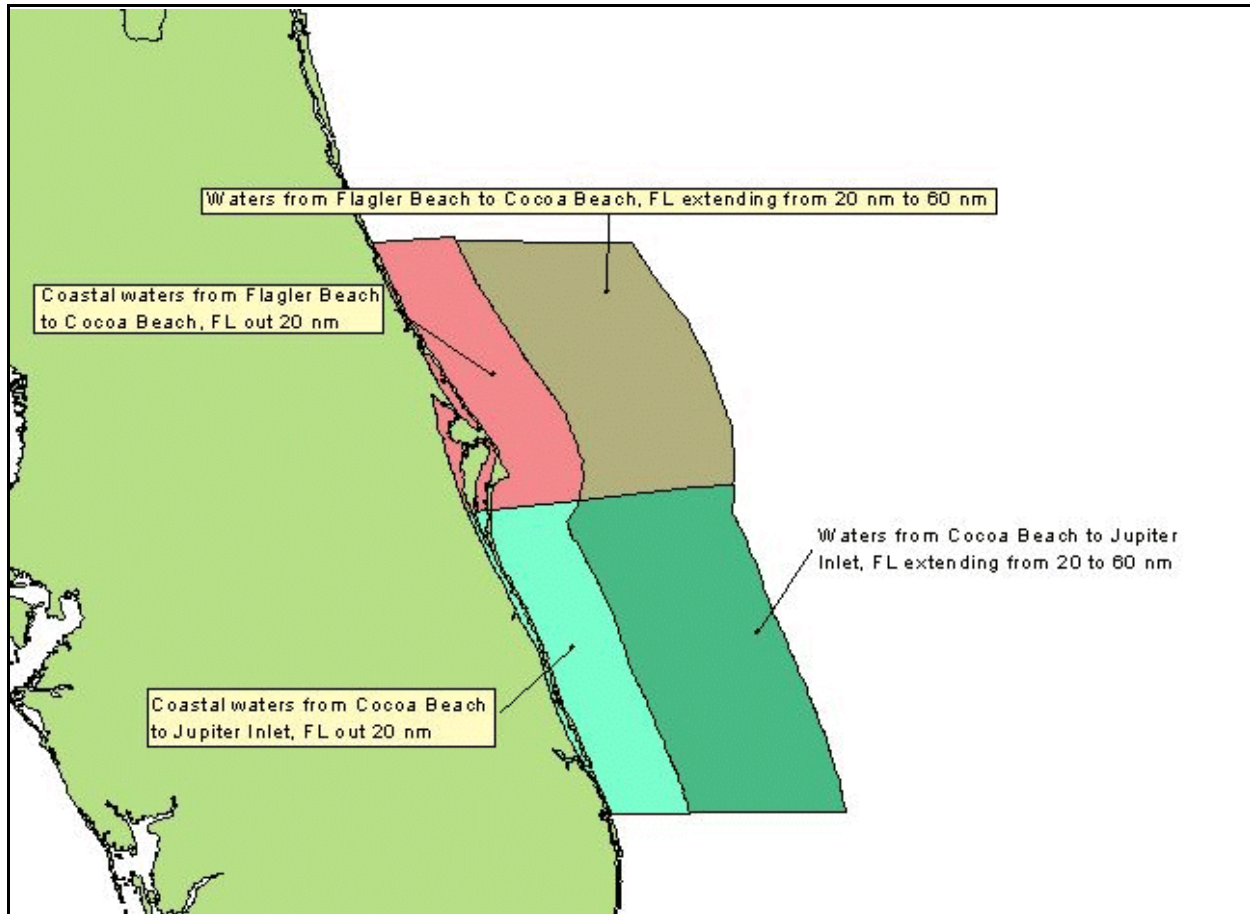
JACKSONVILLE, FL (JAX) FZUS52 KJAX

AREA OF RESPONSIBILITY BOUNDARIES

Glynn-McIntosh, GA, county line to Volusia-Flagler, FL, county line out to 60 NM

AMZ400	Synopsis for Altamaha Sound, GA to Flagler Beach, FL out 60 NM
AMZ450	Coastal waters from Altamaha Sound, GA to Fernandina Beach, FL out 20 NM
AMZ470	Waters from Altamaha Sound, GA to Fernandina Beach, FL from 20 to 60 NM
AMZ435	Port of Jacksonville
AMZ452	Coastal waters from Fernandina Beach to St. Augustine, FL out 20 NM
AMZ472	Waters from Fernandina Beach to St. Augustine, FL from 20 to 60 NM
AMZ454	Coastal waters from St. Augustine to Flagler Beach, FL out 20 NM
AMZ474	Waters from St. Augustine to Flagler Beach, FL from 20 to 60 NM

MARINE ZONES FOR WFO MELBOURNE, FL



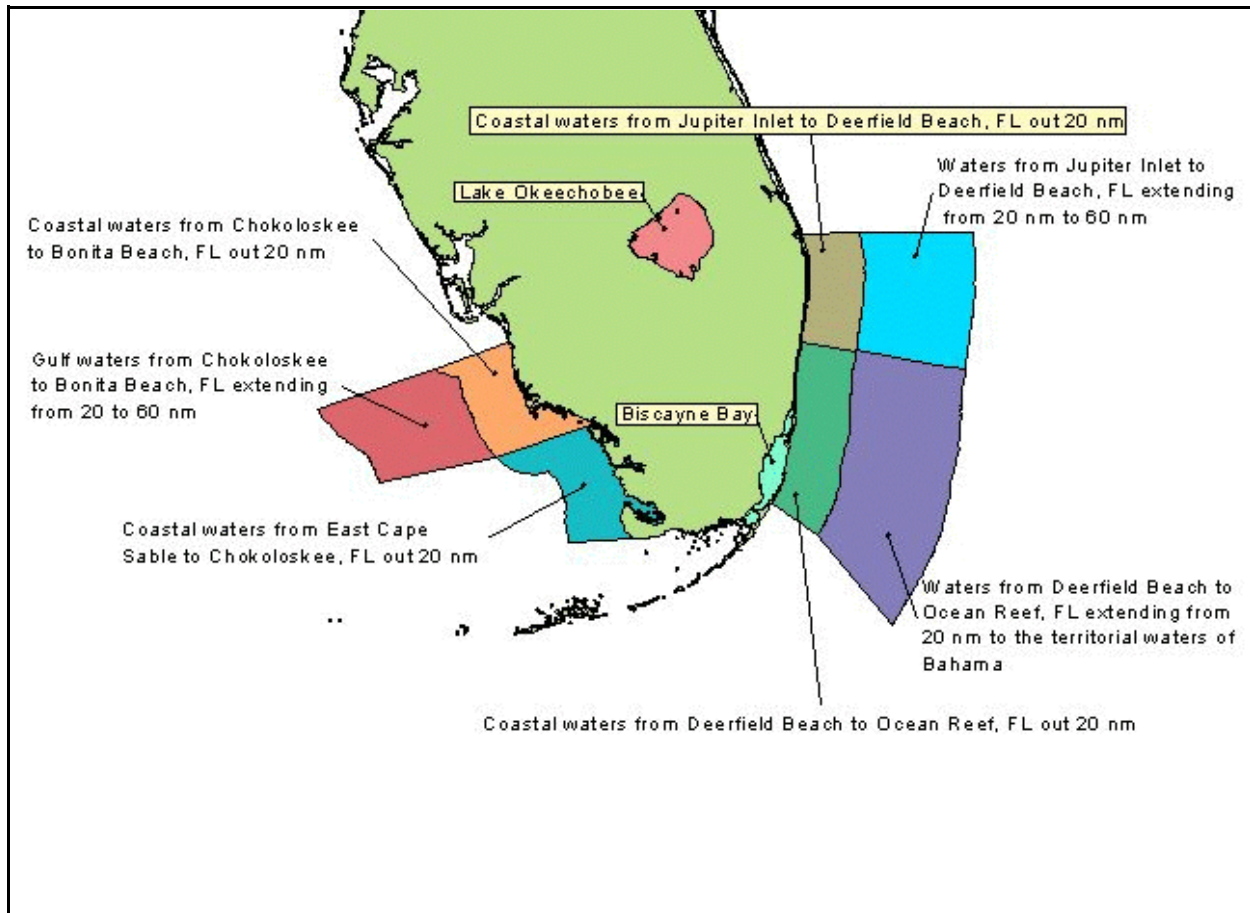
MELBOURNE, FL (MLB) FZUS52 KMLB

AREA OF RESPONSIBILITY BOUNDARIES

Volusia-Flagler, FL, county line to Martin-Palm Beach, FL, county line out 60 NM

AMZ500	Synopsis for Flagler Beach to Jupiter Inlet, FL out 60 NM
AMZ550	Coastal waters from Flagler Beach to Cocoa Beach, FL out 20 NM
AMZ570	Waters from Flagler Beach to Cocoa Beach, FL from 20 to 60 NM
AMZ555	Coastal waters from Cocoa Beach to Jupiter Inlet, FL out 20 NM
AMZ575	Waters from Cocoa Beach to Jupiter Inlet, FL from 20 to 60 NM

MARINE ZONES FOR WFO MIAMI, FL



MIAMI, FL (MFL) FZUS52 KMFL

AREA OF RESPONSIBILITY BOUNDARIES

Martin-Palm Beach, FL, county line to Lee-Collier, FL, county line, excluding Florida Bay and the Keys, out 60 NM

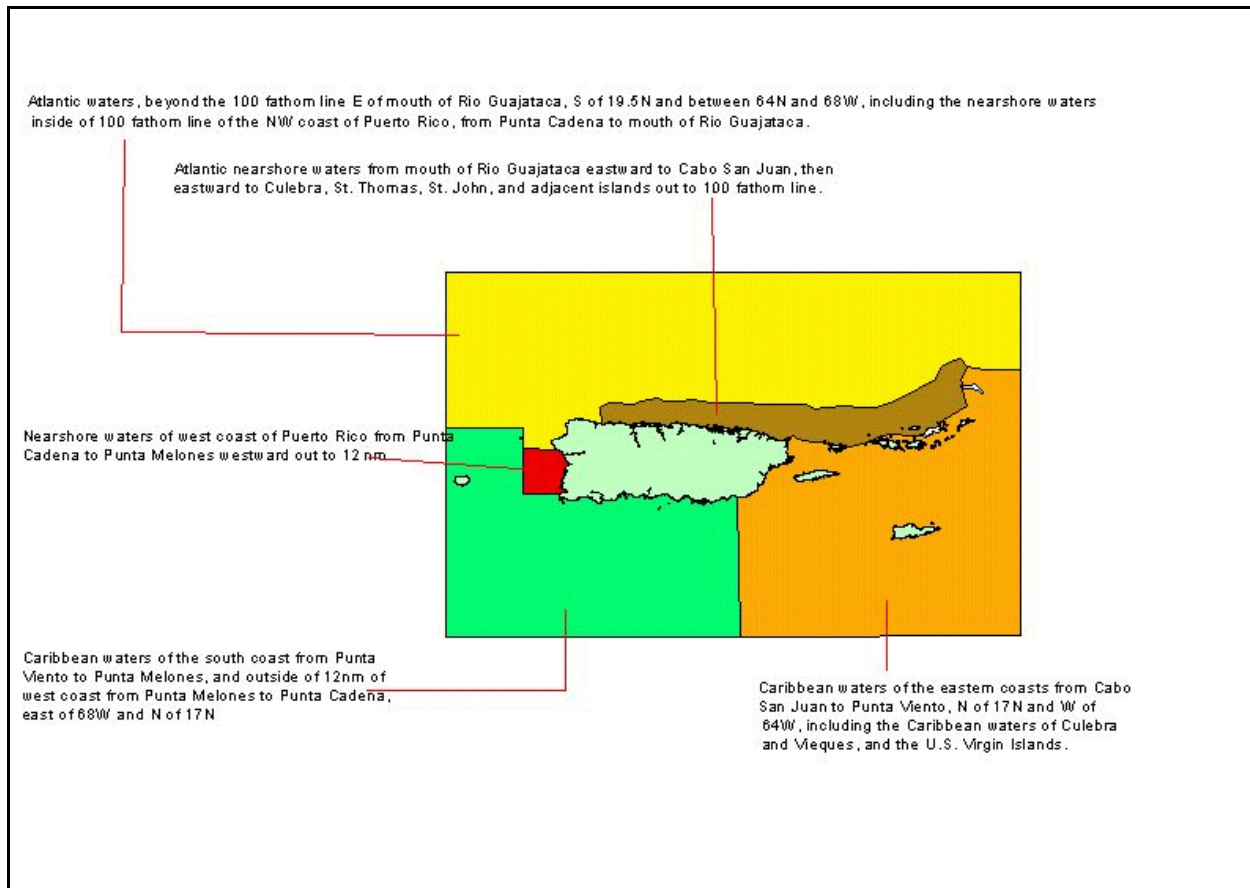
- AMZ600 Synopsis for Jupiter Inlet to Ocean Reef, FL including Biscayne Bay out 60 NM
- AMZ610 Lake Okeechobee
- AMZ650 Coastal waters from Jupiter Inlet to Deerfield Beach, FL out 20 NM
- AMZ670 Waters from Jupiter Inlet to Deerfield Beach, FL from 20 to 60 NM
- AMZ630 Biscayne Bay
- AMZ651 Coastal waters from Deerfield Beach to Ocean Reef, FL out 20 NM
- AMZ671 Waters from Deerfield Beach to Ocean Reef, FL from 20 NM to 60 NM excluding the territorial waters of the Bahamas

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GMZ606	Synopsis for East Cape Sable to Bonita Beach, FL out 60 NM
GMZ656	Coastal waters from Chokoloskee to Bonita Beach, FL out 20 NM
GMZ657	Coastal waters from East Cape Sable to Chokoloskee, FL out 20 NM
GMZ676	Waters from Chokoloskee to Bonita Beach, FL from 20 to 60 NM



## MARINE ZONES FOR WFO SAN JUAN, PR



SAN JUAN, PR (SJU) FZCA52 TJSJ

### AREA OF RESPONSIBILITY BOUNDARIES

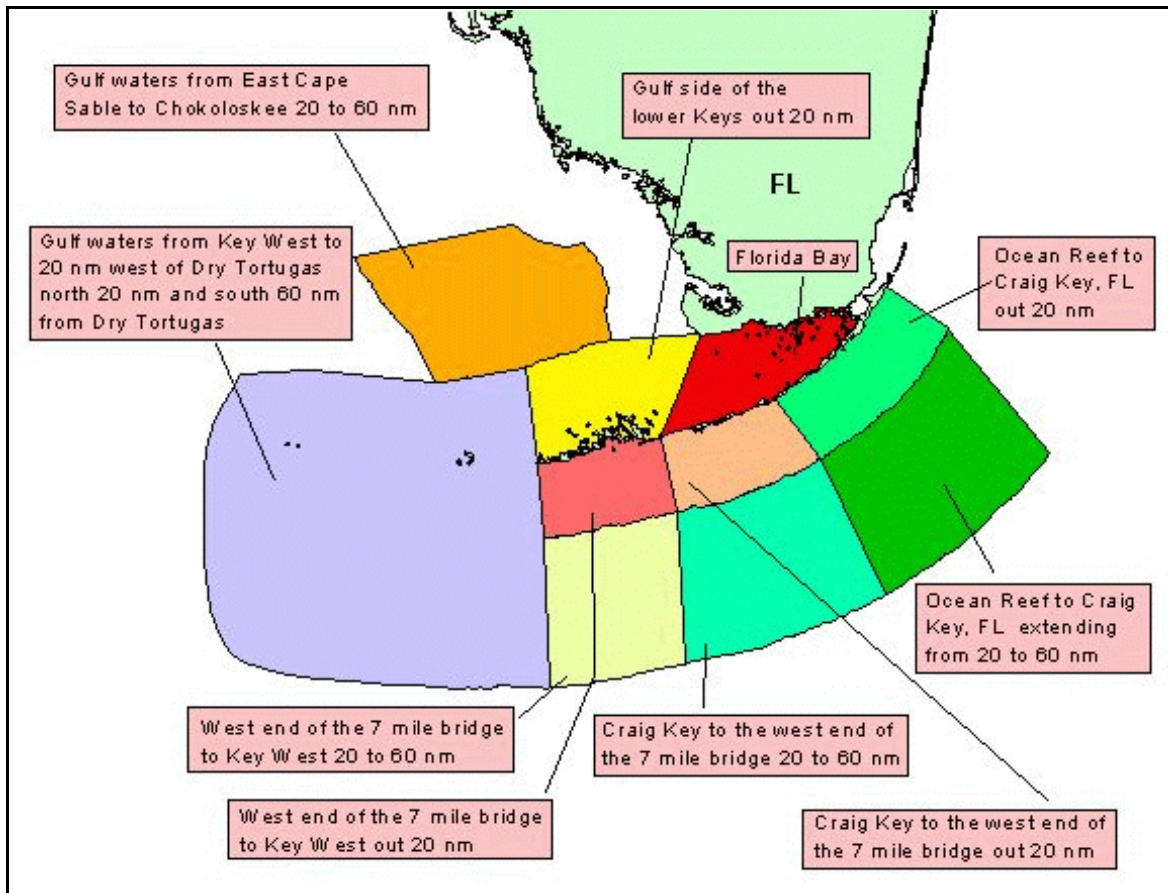
#### Puerto Rico and U.S. Virgin Islands Waters

- AMZ700 Synopsis for PR and U.S. Virgin Islands coastal waters
- AMZ710 Atlantic waters, northward to 19.5N and between 68W and 64W, from northwest coast of Puerto Rico at Punta Cadena eastward to mouth of Rio Guajataca extending beyond 100 fathom line to the Anegada Passage
- AMZ720 Atlantic nearshore waters from mouth of Rio Guajataca eastward to Cabo San Juan, then eastward to Culebra, St. Thomas, St. John, and adjacent islands, out to 100 fathom line
- AMZ730 Caribbean Waters from Punta Viento, north to Cabo San Juan extending southward to 17N and eastward to 64W, including the Caribbean waters of Culebra and Vieques and of the U.S. Virgin Islands

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- AMZ740 Caribbean Waters from Punta Viento to Punta Melones and the waters outside of 12 NM from Punta Melones to Punta Cadena, extending southward to 17N and westward to 68W
- AMZ750 Nearshore waters of west coast of Puerto Rico from Punta Cadena to Punta Melones westward out 12 NM

MARINE ZONES FOR WFO KEY WEST, FL



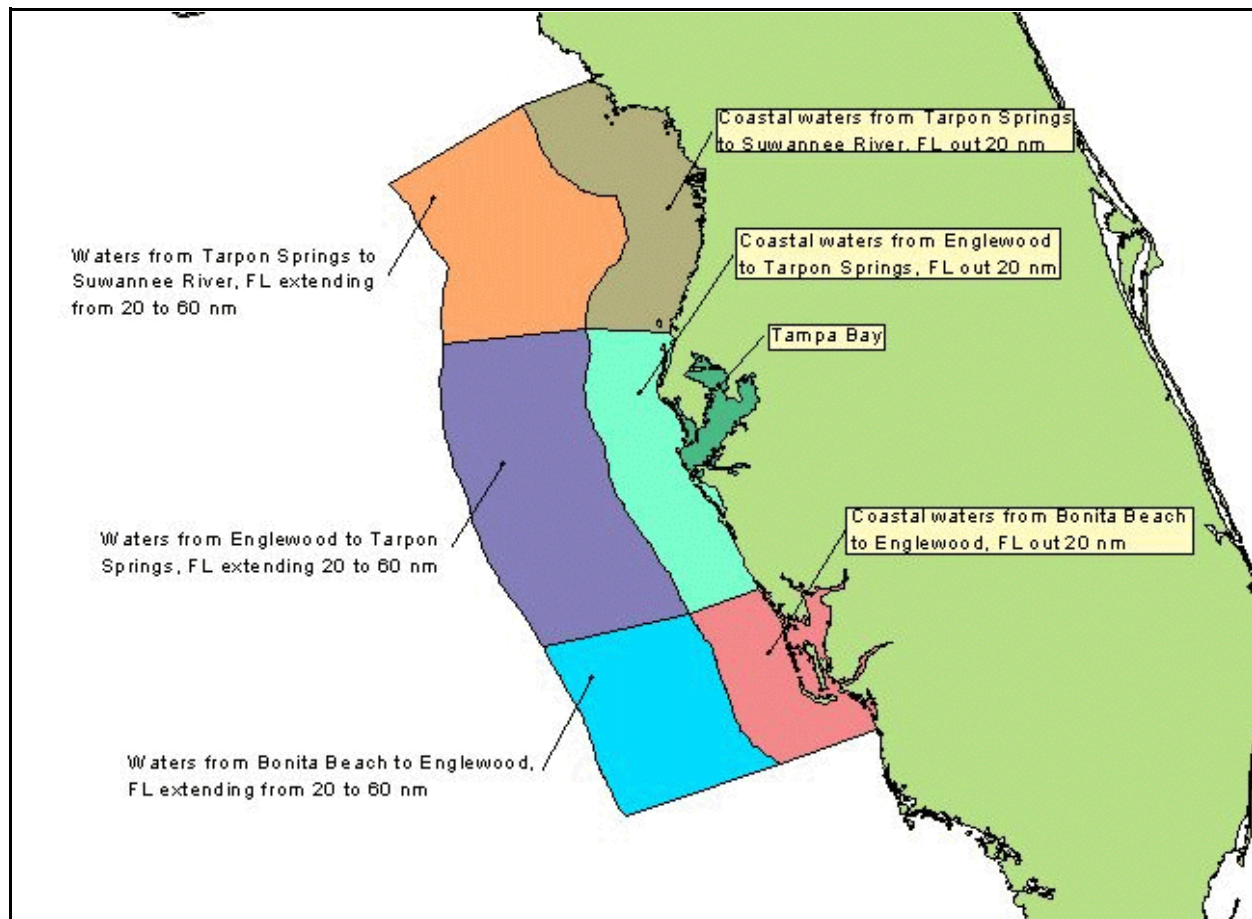
KEY WEST, FL (EYW) FZUS52 KEYW

AREA OF RESPONSIBILITY BOUNDARIES

Florida Bay and the Keys

GMZ005	Synopsis for Florida Bay and the Keys
GMZ052	Ocean Reef to Craig Key, FL out 20 NM
GMZ072	Ocean Reef to Craig Key, FL from 20 to 60 NM
GMZ031	Florida Bay
GMZ032	Gulf side of the lower Keys out 20 NM
GMZ053	Craig Key to the west end of 7 mile bridge, FL out 20 NM
GMZ073	Craig Key to the west end of 7 mile bridge, FL from 20 to 60 NM
GMZ054	West end of 7 mile bridge to Key West, FL out 20 NM
GMZ074	West end of 7 mile bridge to Key West, FL from 20 to 60 NM
GMZ075	Gulf waters from Key West, FL to 20 NM west of Dry Tortugas North 20 NM and south 60 NM from Dry Tortugas
GMZ033	Gulf waters from East Cape Sable to Chokoloskee, FL from 20 to 60 NM

MARINE ZONES FOR WFO TAMPA, FL



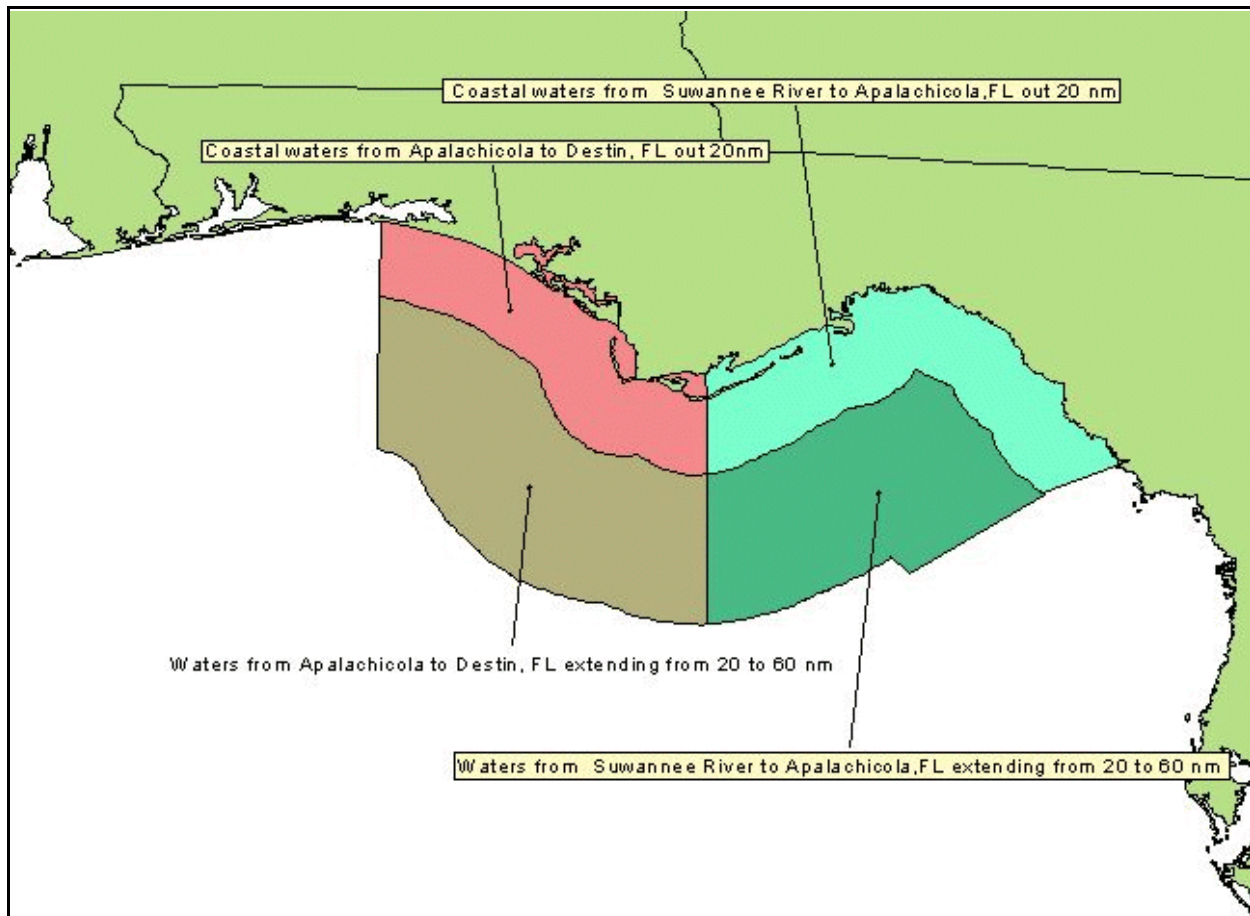
TAMPA, FL (TBW) FZUS52 KTBW

AREA OF RESPONSIBILITY BOUNDARIES

Lee-Collier county line to Levy-Dixie, FL county line out 60 NM

GMZ800	Synopsis for Bonita Beach to Suwannee River, FL out 60 NM
GMZ856	Coastal waters from Bonita Beach to Englewood, FL out 20 NM
GMZ876	Waters from Bonita Beach to Englewood, FL from 20 to 60 NM
GMZ830	Tampa Bay
GMZ853	Coastal waters from Englewood to Tarpon Springs, FL out 20 NM
GMZ873	Waters from Englewood to Tarpon Springs, FL from 20 to 60 NM
GMZ850	Coastal waters from Tarpon Springs to Suwannee River, FL out 20 NM
GMZ870	Waters from Tarpon Springs to Suwannee River, FL from 20 to 60 NM

MARINE ZONES FOR WFO TALLAHASSEE, FL



TALLAHASSEE, FL (TAE) FZUS52 KTAE

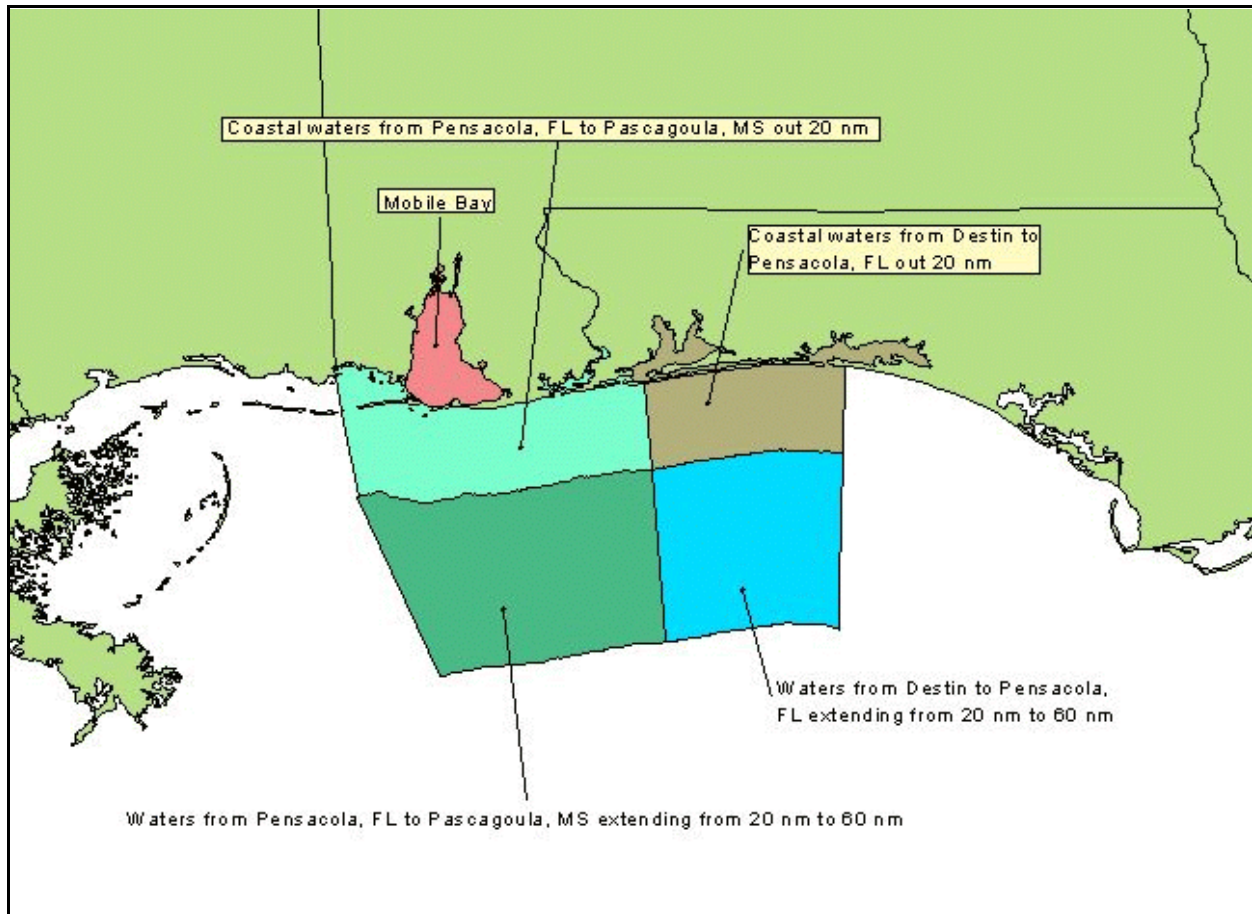
AREA OF RESPONSIBILITY BOUNDARIES

Levy-Dixie county line to Okaloosa-Walton, FL, county line out 60 NM

GMZ700	Synopsis for Suwannee River to Destin, FL out 60 NM
GMZ755	Coastal waters from Suwannee River to Apalachicola, FL out 20 NM
GMZ775	Waters from Suwannee River to Apalachicola, FL from 20 to 60 NM
GMZ750	Coastal waters from Apalachicola to Destin, FL out 20 NM
GMZ770	Waters from Apalachicola to Destin, FL from 20 to 60 NM



MARINE ZONES FOR WFO MOBILE, AL



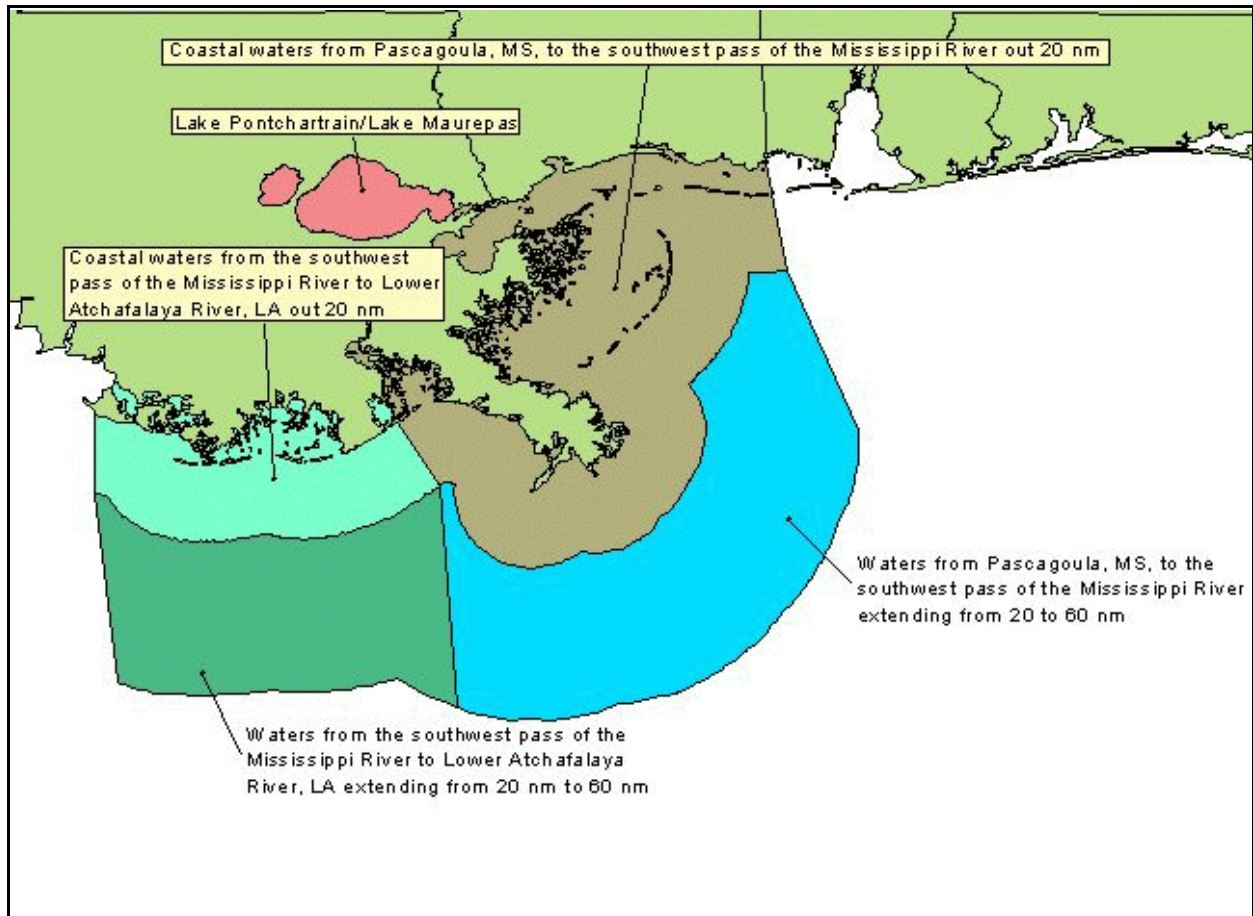
MOBILE, AL (MOB) FZUS54 KMOB

AREA OF RESPONSIBILITY BOUNDARIES

Okaloosa-Walton, FL, county line to Alabama-Mississippi state line out 60 NM

GMZ600	Synopsis for Destin, FL to Pascagoula, MS out 60 NM including Mobile Bay
GMZ655	Coastal waters from Destin to Pensacola, FL out 20 NM
GMZ675	Waters from Destin to Pensacola, FL from 20 to 60 NM
GMZ650	Coastal waters from Pensacola, FL to Pascagoula, MS out 20 NM
GMZ670	Waters from Pensacola, FL to Pascagoula, MS from 20 to 60 NM
GMZ630	Mobile Bay

MARINE ZONES FOR WFO SLIDELL, LA



SLIDELL, LA (LIX) FZUS54 KLIX

AREA OF RESPONSIBILITY BOUNDARIES

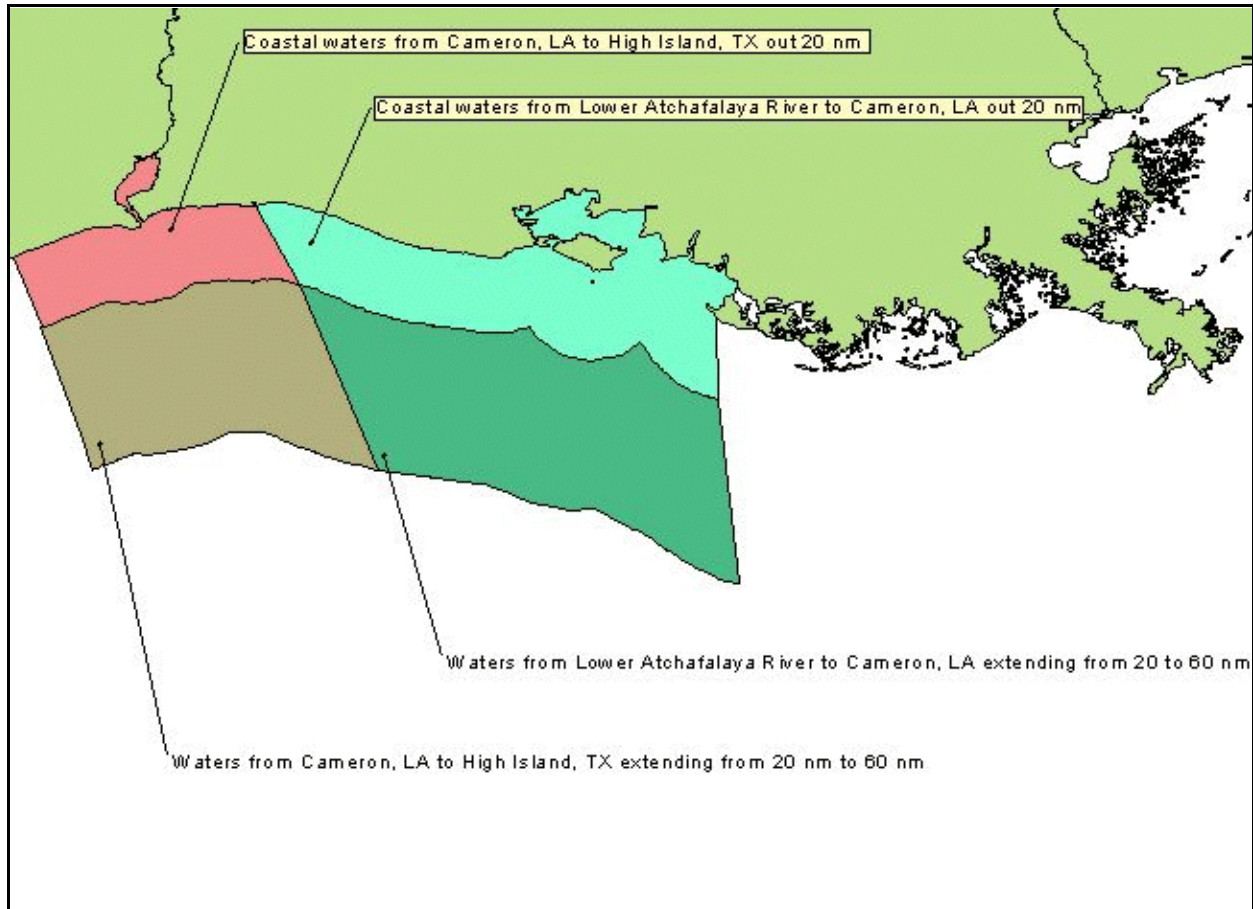
Alabama-Mississippi state line to Terrebone-St. Mary parish line out 60 NM

- |        |   |
|--------|---|
| GMZ500 | Synopsis for Pascagoula, MS to Southwest Pass of the Mississippi River out 60 NM including Lakes Pontchartrain and Maurepas |
| GMZ501 | Synopsis for Southwest Pass of the Mississippi River to Atchafalaya River, LA out 60 NM                                     |
| GMZ530 | Lake Pontchartrain/Lake Maurepas  |
| GMZ555 | Coastal waters from Pascagoula, MS to the Southwest Pass of the Mississippi River out 20 NM                                 |
| GMZ575 | Waters from Pascagoula, MS to the Southwest Pass of the Mississippi River from 20 to 60 NM                                  |

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- GMZ550 Coastal waters for the Southwest Pass of the Mississippi River to  
Lower Atchafalaya River, LA out 20 NM
- GMZ570 Waters for the Southwest Pass of the Mississippi River to Lower Atchafalaya  
River, LA from 20 to 60 NM

MARINE ZONES FOR WFO LAKE CHARLES, LA



LAKE CHARLES, LA (LCH) FZUS54 KLCH

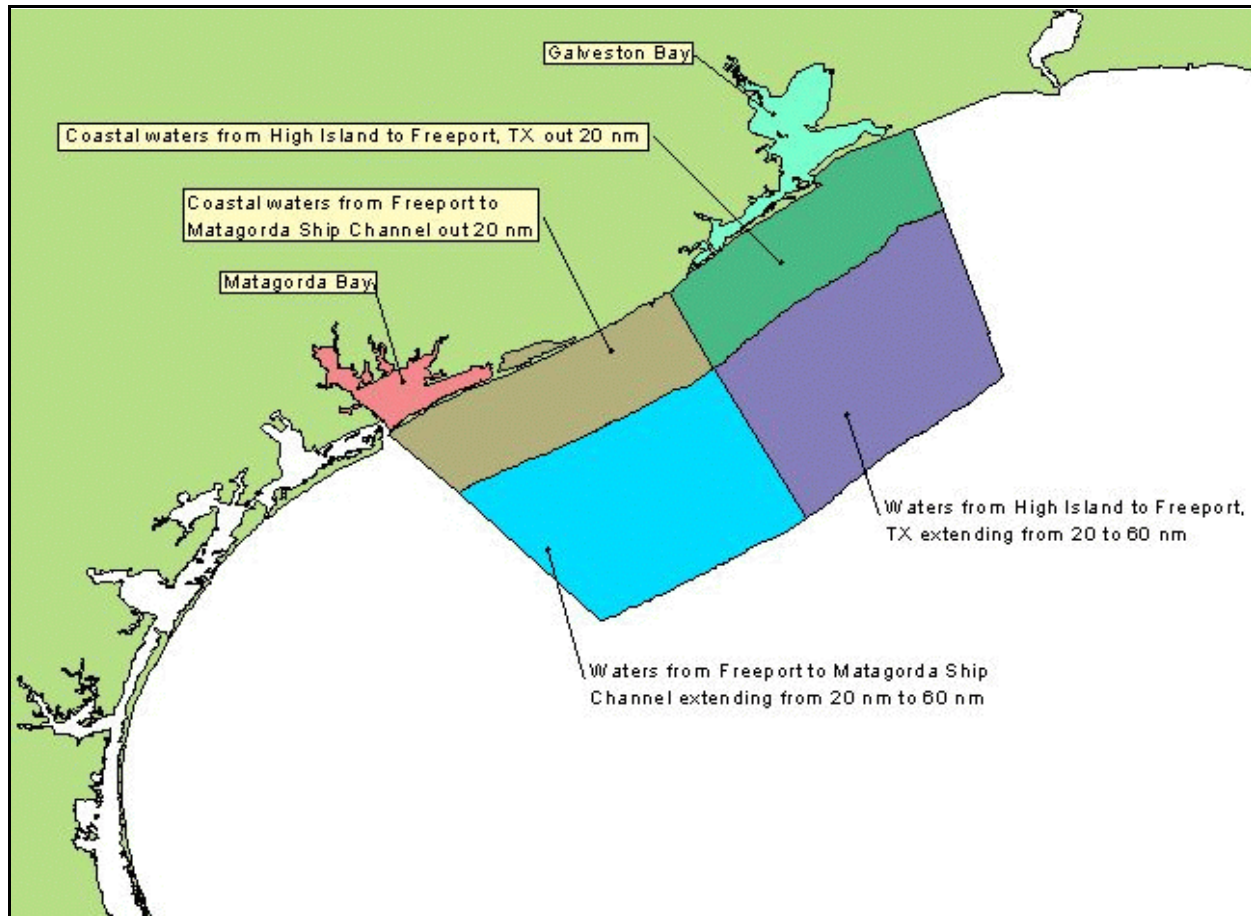
AREA OF RESPONSIBILITY BOUNDARIES

Terrebone-St. Mary parish line to the Chambers-Jefferson, TX, county line out 60 NM

GMZ400	Synopsis for Atchafalaya River, LA to High Island, TX out 60 NM
GMZ455	Coastal waters from Lower Atchafalaya River to Cameron, LA out 20 NM
GMZ475	Waters for Lower Atchafalaya River to Cameron, LA from 20 to 60 NM
GMZ450	Coastal waters from Cameron, LA to High Island, TX out 20 NM
GMZ470	Waters from Cameron, LA to High Island, TX from 20 to 60 NM



MARINE ZONES FOR WFO HOUSTON-GALVESTON, TX



HOUSTON-GALVESTON, TX (HGX) FZUS54 KHGX

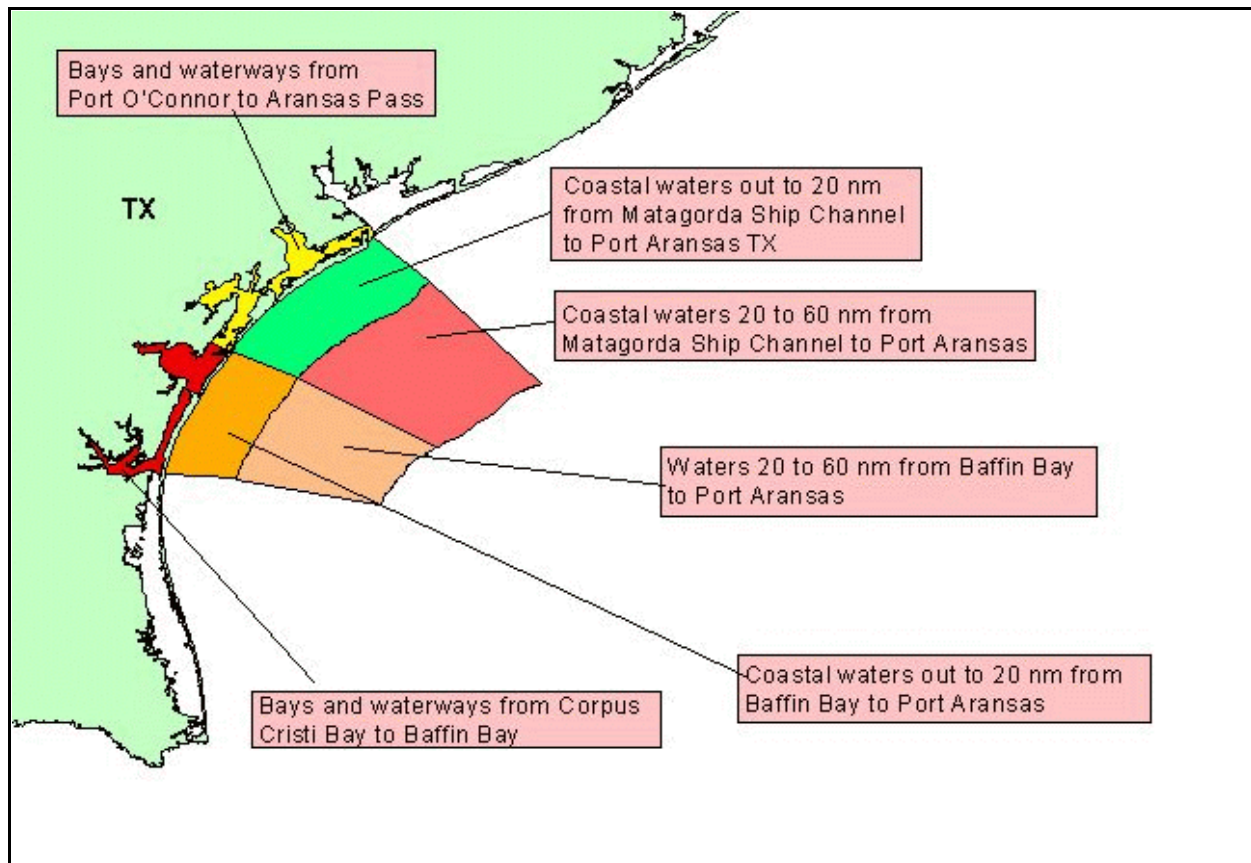
AREA OF RESPONSIBILITY BOUNDARIES

Chambers-Jefferson county line to Calhoun-Matagorda, TX, county line out 60 NM

GMZ300	Synopsis for High Island to Matagorda Ship Channel, TX out 60 NM
GMZ335	Galveston Bay
GMZ355	Coastal waters from High Island to Freeport, TX out 20 NM
GMZ375	Waters from High Island to Freeport, TX from 20 to 60 NM
GMZ330	Matagorda Bay
GMZ350	Coastal waters from Freeport to Matagorda Ship Channel, TX out 20 NM
GMZ370	Waters from Freeport to Matagorda Ship Channel, TX from 20 to 60 NM



MARINE ZONES FOR WFO CORPUS CHRISTI, TX



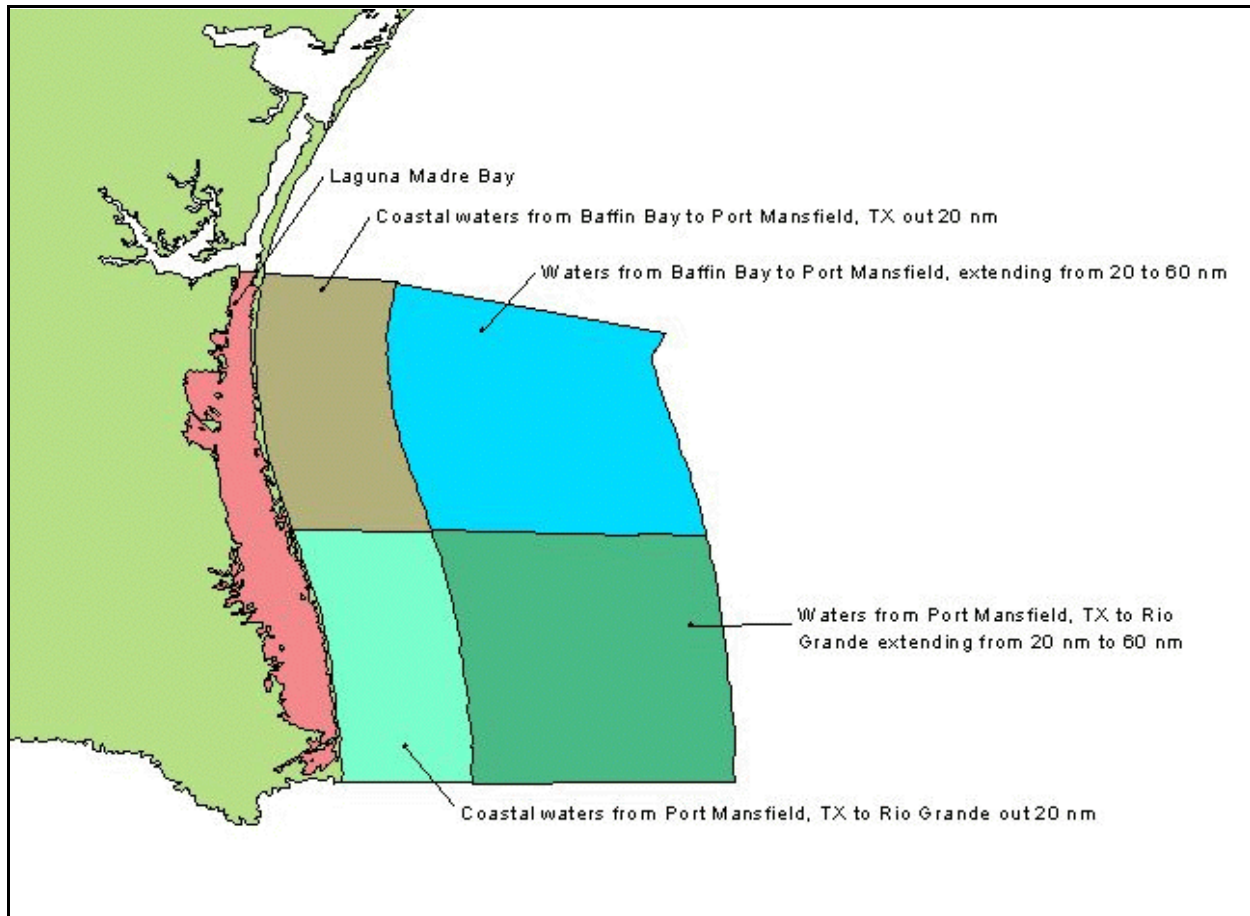
CORPUS CHRISTI, TX (CRP) FZUS54 KCRP

AREA OF RESPONSIBILITY BOUNDARIES

Calhoun-Matagorda county line to Kenedy-Kleberg, TX, county line out 60 NM

GMZ200	Synopsis from Matagorda Ship Channel to Baffin Bay, TX out 60 NM
GMZ235	Bays and Waterways from Port O'Connor to Aransas Pass
GMZ255	Coastal waters from Matagorda Ship Channel to Port Aransas, TX out 20 NM
GMZ275	Waters from Matagorda Ship Channel to Port Aransas, TX from 20 to 60 NM
GMZ230	Bays and Waterways from Corpus Christi to Baffin Bay
GMZ250	Coastal waters from Port Aransas to Baffin Bay, TX out 20 NM
GMZ270	Waters from Port Aransas to Baffin Bay, TX from 20 to 60 NM

MARINE ZONES FOR WFO BROWNSVILLE, TX



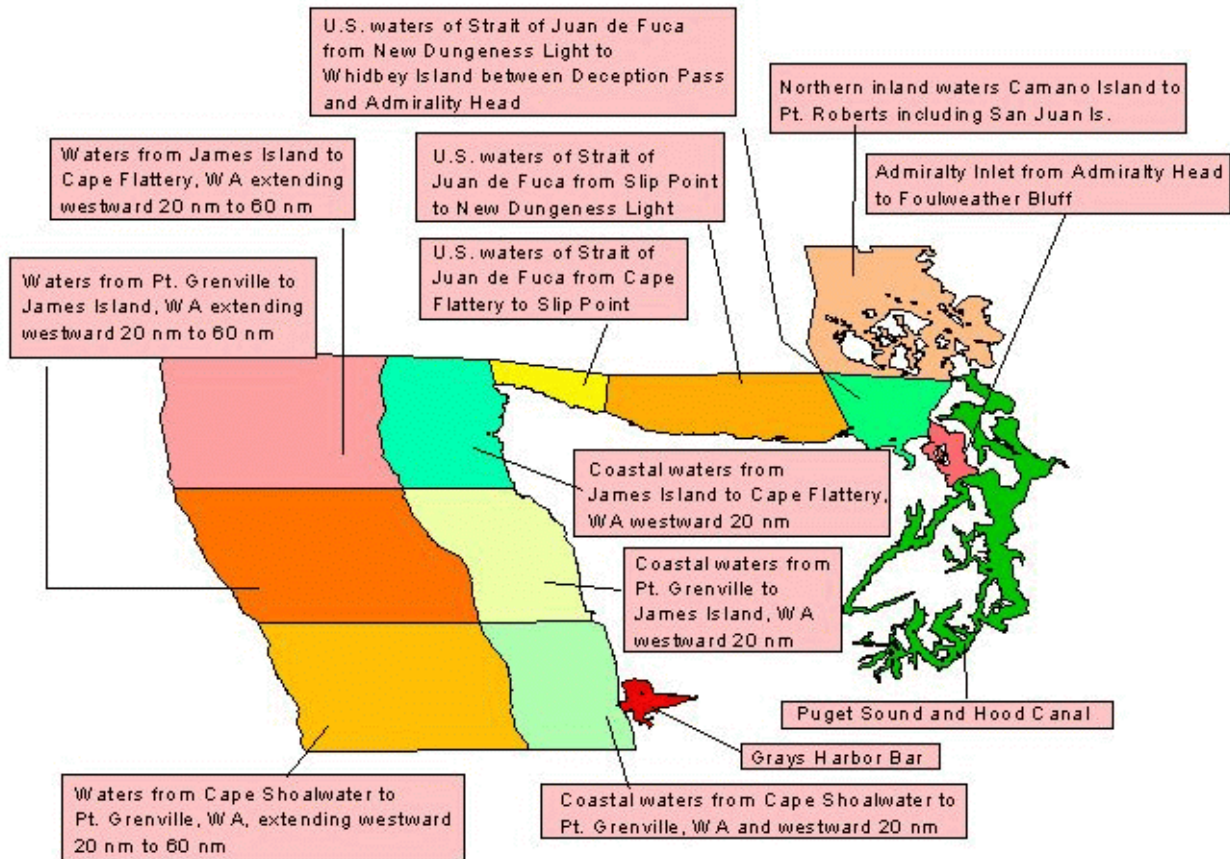
BROWNSVILLE, TX (BRO) FZUS54 KBRO

AREA OF RESPONSIBILITY BOUNDARIES

Kenedy-Kleberg, TX, county line to US-Mexican border (Rio Grande River) out 60 NM

GMZ100	Synopsis from Baffin Bay to Rio Grande River, TX out 60 NM
GMZ155	Coastal waters from Baffin Bay to Port Mansfield, TX out 20 NM
GMZ175	Waters from Baffin Bay to Port Mansfield, TX from 20 to 60 NM
GMZ130	Laguna Madre Bay
GMZ150	Coastal waters from Port Mansfield to Rio Grande River, TX out 20 NM
GMZ170	Waters from Port Mansfield to Rio Grande River, TX from 20 to 60 NM

MARINE ZONES FOR WFO SEATTLE, WA - Puget Sound/Strait of Juan De Fuca



SEATTLE, WA (SEW) FZUS56 KSEW

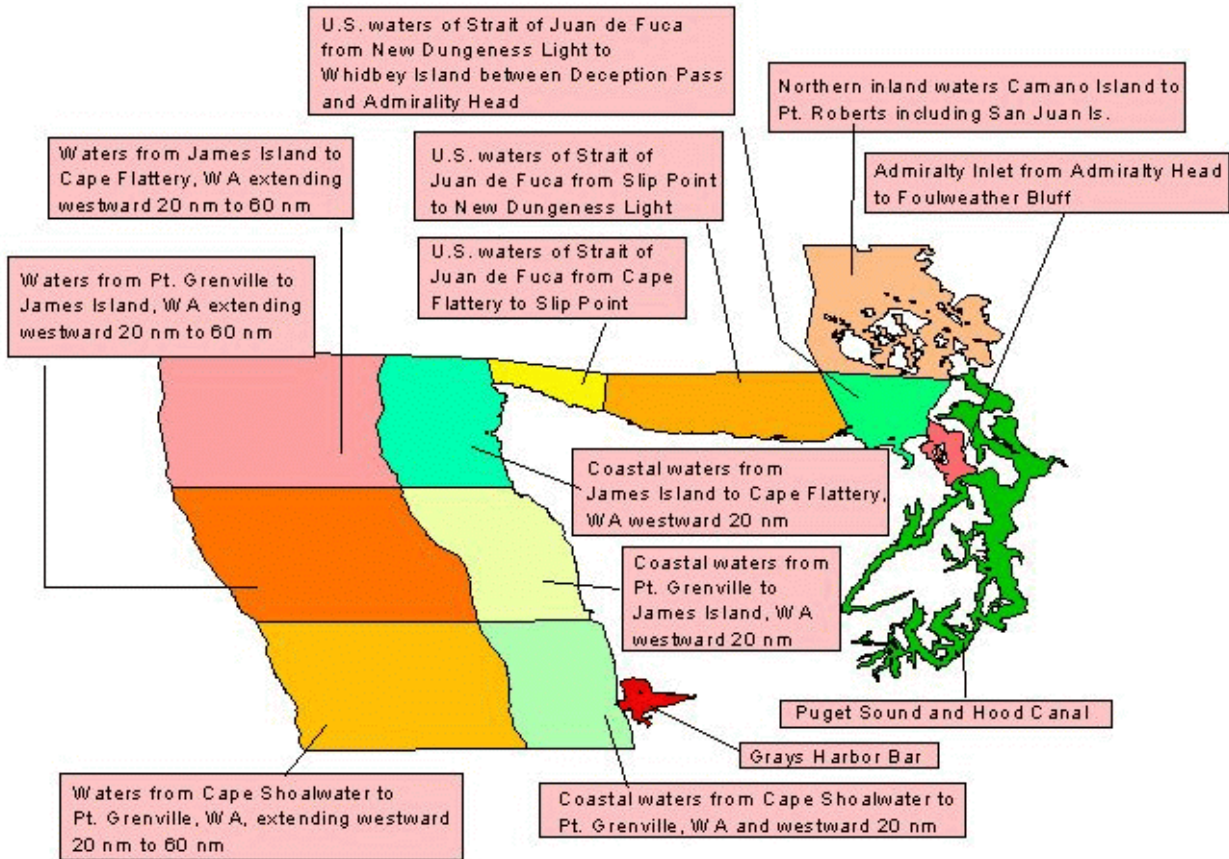
AREA OF RESPONSIBILITY BOUNDARIES

US- Canada border to Pacific-Grays Harbor, WA, county line out 60 NM, including Strait of Juan de Fuca and Puget Sound

- PZZ100 Synopsis for Northern Washington Coast and Puget Sound
- PZZ133 Northern inland waters Pt. Roberts to Camano Island including San Juan Isl, WA
- PZZ135 Puget Sound and Hood Canal, WA
- PZZ134 Admiralty Inlet from Admiralty Head to Foulweather Bluff, WA
- PZZ132 U.S. waters of the Strait of Juan de Fuca from New Dungeness Light to Whidbey Island between Deception Pass and Admiralty Head
- PZZ131 U.S. waters of the Strait of Juan de Fuca from Slip Pt to New Dungeness Lt
- PZZ130 U.S. waters of the Strait of Juan de Fuca from Cape Flattery to Slip Point



MARINE ZONES FOR WFO SEATTLE, WA - Pacific Ocean



SEATTLE, WA (SEW) FZUS56 KSEW

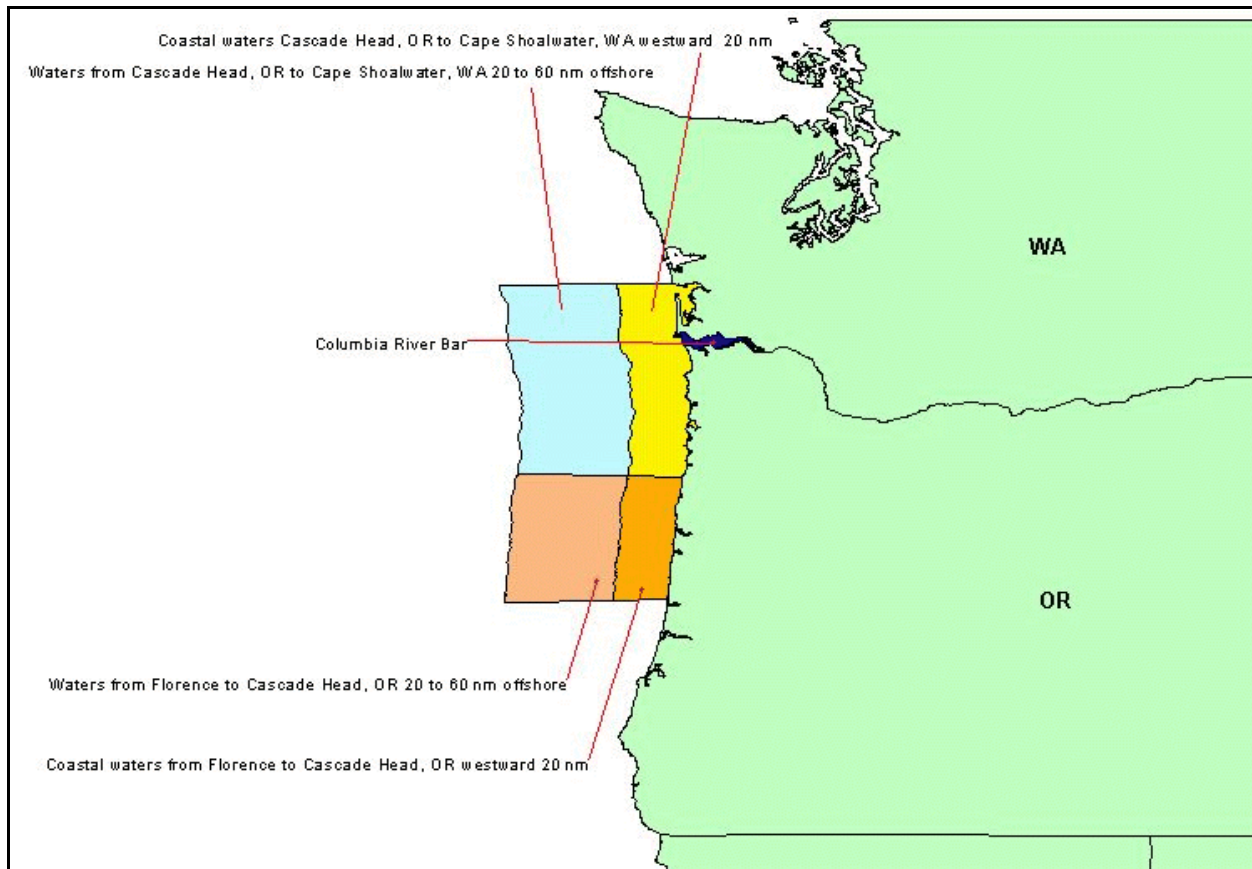
AREA OF RESPONSIBILITY BOUNDARIES

US- Canada border to Pacific-Grays Harbor, WA, county line out 60 NM, including Strait of Juan de Fuca and Puget Sound

- PZZ150 Coastal waters from Cape Flattery to James Island, WA out 20 NM
- PZZ170 Waters from Cape Flattery to James Island, WA from 20 to 60 NM
- PZZ153 Coastal waters from James Island to Pt. Grenville, WA out 20 NM
- PZZ173 Waters from James Island to Pt. Grenville, WA from 20 to 60 NM
- PZZ156 Coastal waters from Pt. Grenville to Cape Shoalwater, WA out 20 NM
- PZZ176 Waters from Pt. Grenville to Cape Shoalwater, WA from 20 to 60 NM
- PZZ110 Grays Harbor Bar - Two period wave/current forecast only



MARINE ZONES FOR WFO PORTLAND, OR



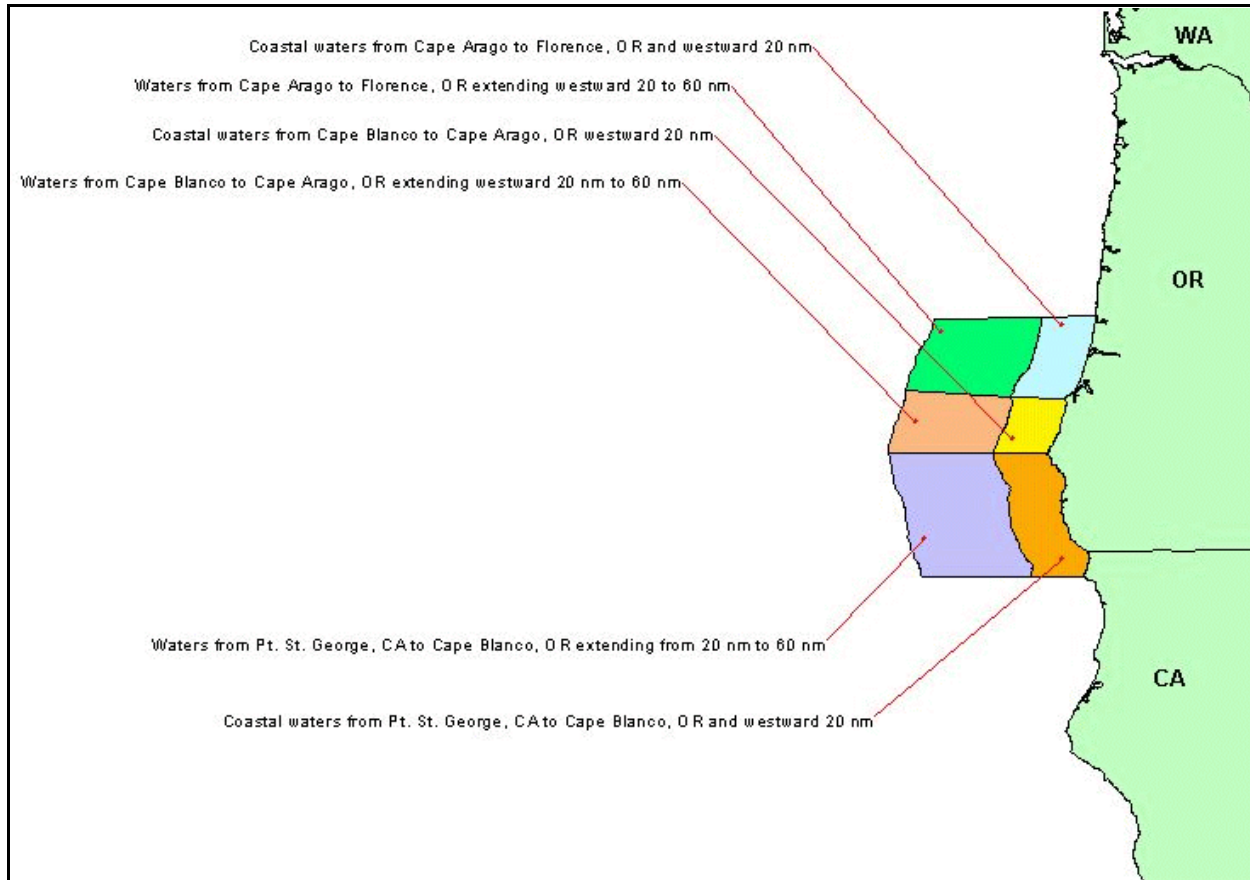
PORTLAND, OR (PQR) FZUS56 KPQR

AREA OF RESPONSIBILITY BOUNDARIES

Pacific-Grays Harbor, WA, county line to Douglas-Lane, OR, county line out 60 NM

PZZ200	Synopsis for Northern Oregon/Southern Washington Coast
PZZ250	Coastal waters from Cape Shoalwater, WA to Cascade Head, OR out 20NM
PZZ270	Waters from Cape Shoalwater, WA to Cascade Head, OR from 20 to 60NM
PZZ210	Columbia River Bar - Two period wave/current forecast only
PZZ255	Coastal waters from Cascade Head to Florence, OR out 20 NM
PZZ275	Waters from Cascade Head to Florence, OR from 20 to 60 NM

MARINE ZONES FOR WFO MEDFORD, OR



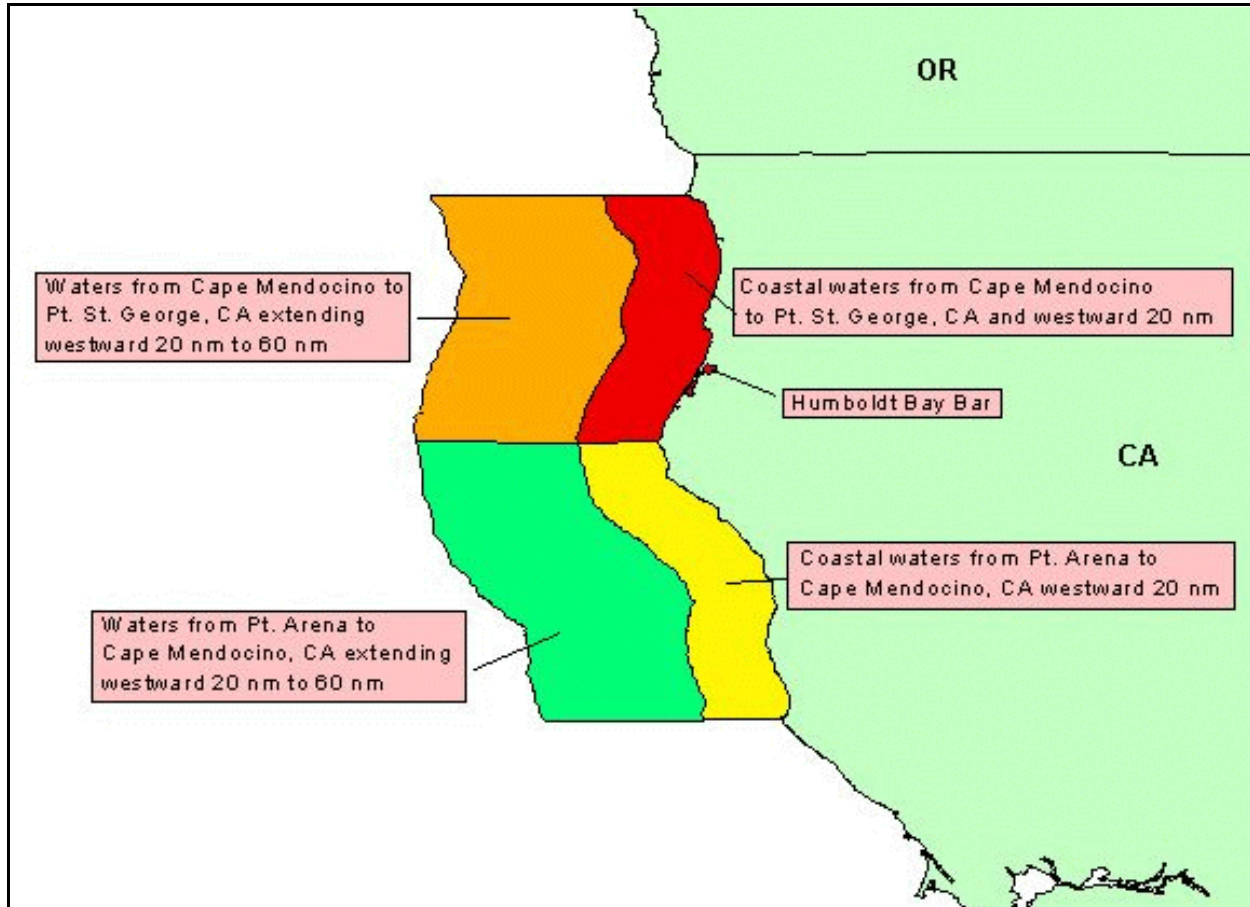
MEDFORD, OR (MFR) FZUS51 KMFR

AREA OF RESPONSIBILITY BOUNDARIES

Douglas-Lane, OR, county line to Oregon-California border out 60 NM

PZZ300	Synopsis for Southern Oregon Coast
PZZ350	Coastal waters from Florence to Cape Arago, OR out 20 NM
PZZ370	Waters from Florence to Cape Arago, OR from 20 to 60 NM
PZZ353	Coastal waters from Cape Arago to Cape Blanco, OR out 20 NM
PZZ373	Waters from Cape Arago to Cape Blanco, OR from 20 to 60 NM
PZZ356	Coastal waters from Cape Blanco, OR to Pt. St. George, CA out 20 NM
PZZ376	Waters from Cape Blanco, OR to Pt. St. George, CA from 20 to 60 NM

MARINE ZONES FOR WFO EUREKA, CA



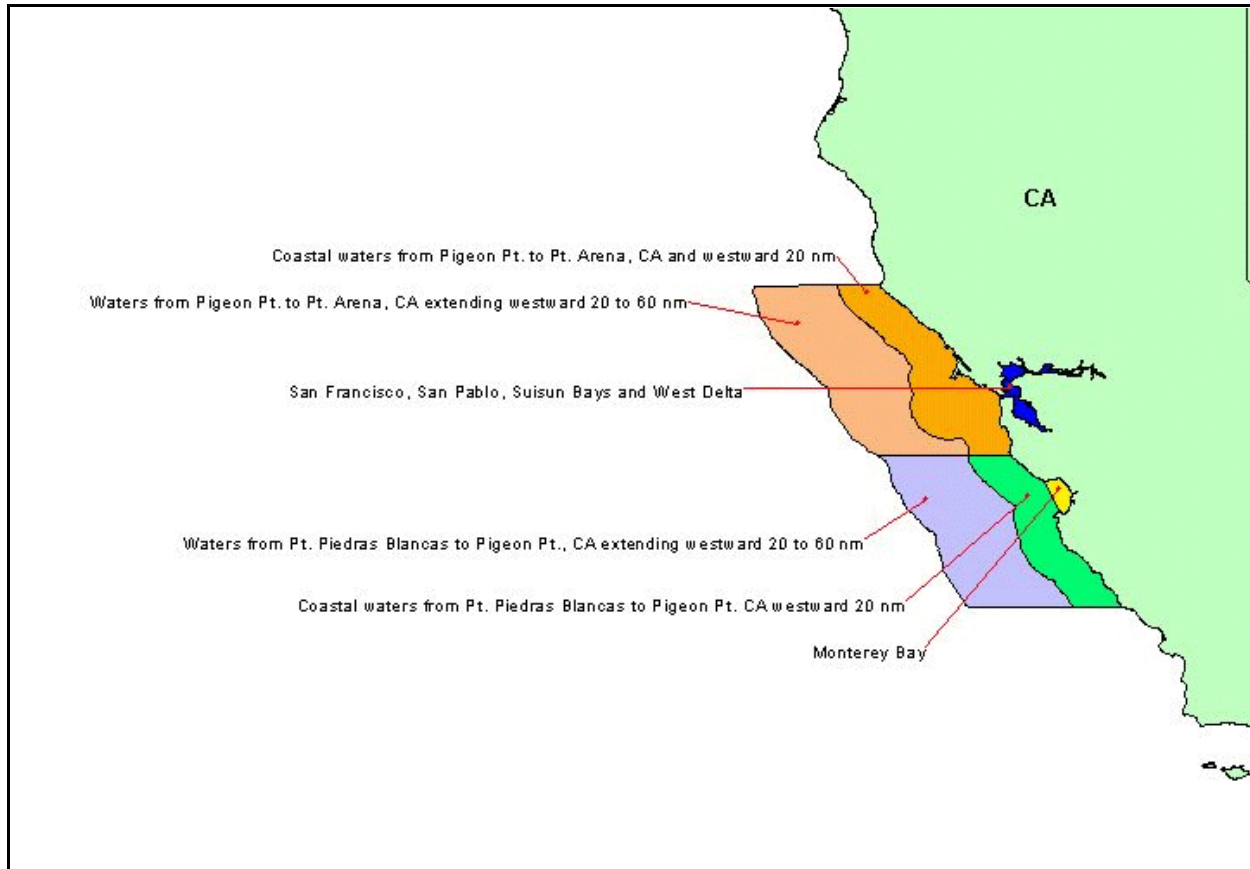
EUREKA, CA (EKA) FZUS51 KEKA

AREA OF RESPONSIBILITY BOUNDARIES

Oregon-California border to Sonoma-Mendocino, CA county line out 60 NM

PZZ400	Synopsis for Northern California Coast
PZZ450	Coastal waters from Pt. St. George to Cape Mendocino, CA out 20 NM
PZZ470	Waters from Pt. St. George to Cape Mendocino, CA from 20 to 60 NM
PZZ455	Coastal waters from Cape Mendocino to Pt. Arena, CA out 20 NM
PZZ475	Waters from Cape Mendocino to Pt. Arena, CA from 20 to 60 NM
PZZ410	Humboldt Bay Bar - Two period wave/current forecast only

MARINE ZONES FOR WFO SAN FRANCISCO BAY AREA AT MONTEREY, CA



SAN FRANCISCO BAY AREA AT MONTEREY, CA (MTR) FZUS51 KMTR

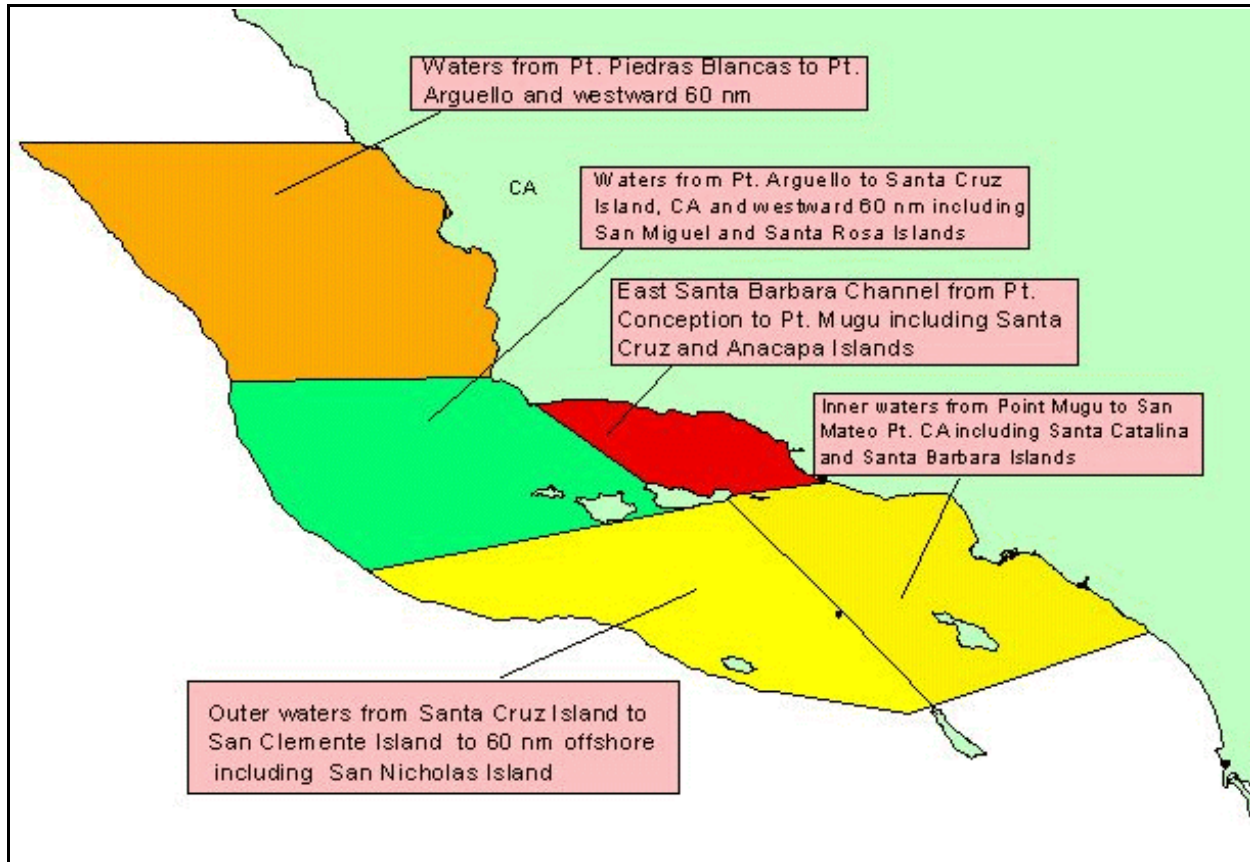
AREA OF RESPONSIBILITY BOUNDARIES

Sonoma-Mendocino county line to Monterey-San Luis Obispo, CA county line out 60 NM

PZZ500	Synopsis for Central California Coast and Bays
PZZ550	Coastal waters from Pt. Arena to Pigeon Pt., CA out 20 NM
PZZ570	Waters from Pt. Arena to Pigeon Pt., CA from 20 to 60 NM
PZZ555	Coastal waters from Pigeon Pt. to Pt. Piedras Blancas, CA out 20 NM
PZZ575	Waters from Pigeon Pt. to Pt. Piedras Blancas, CA from 20 to 60 NM
PZZ535	Monterey Bay
PZZ530	San Francisco, San Pablo, Suisun Bays and West Delta



MARINE ZONES FOR WFO LOS ANGELES, CA



LOS ANGELES, CA (LOX) FZUS51 KLOX

AREA OF RESPONSIBILITY BOUNDARIES

Monterrey-San Luis Obispo county line to San Diego-Orange, CA county line out 60 NM

- PZZ600 Synopsis for Southern California Coast and Santa Barbara Channel
- PZZ670 Waters from Pt. Piedras Blancas to Pt. Arguello, CA out 60 NM
- PZZ673 Waters from Pt. Arguello to Santa Cruz Island, CA out 60 NM including San Miguel and Santa Rosa Islands
- PZZ650 East Santa Barbara Channel from Pt. Conception to Pt. Mugu, CA including Santa Cruz and Anacapa Islands
- PZZ655 Inner waters from Pt. Mugu to San Mateo Pt., CA including Santa Catalina and Santa Barbara Islands
- PZZ676 Outer waters from Santa Cruz Island to San Clemente Island to 60 NM offshore including San Nicholas Island

MARINE ZONES FOR WFO SAN DIEGO, CA



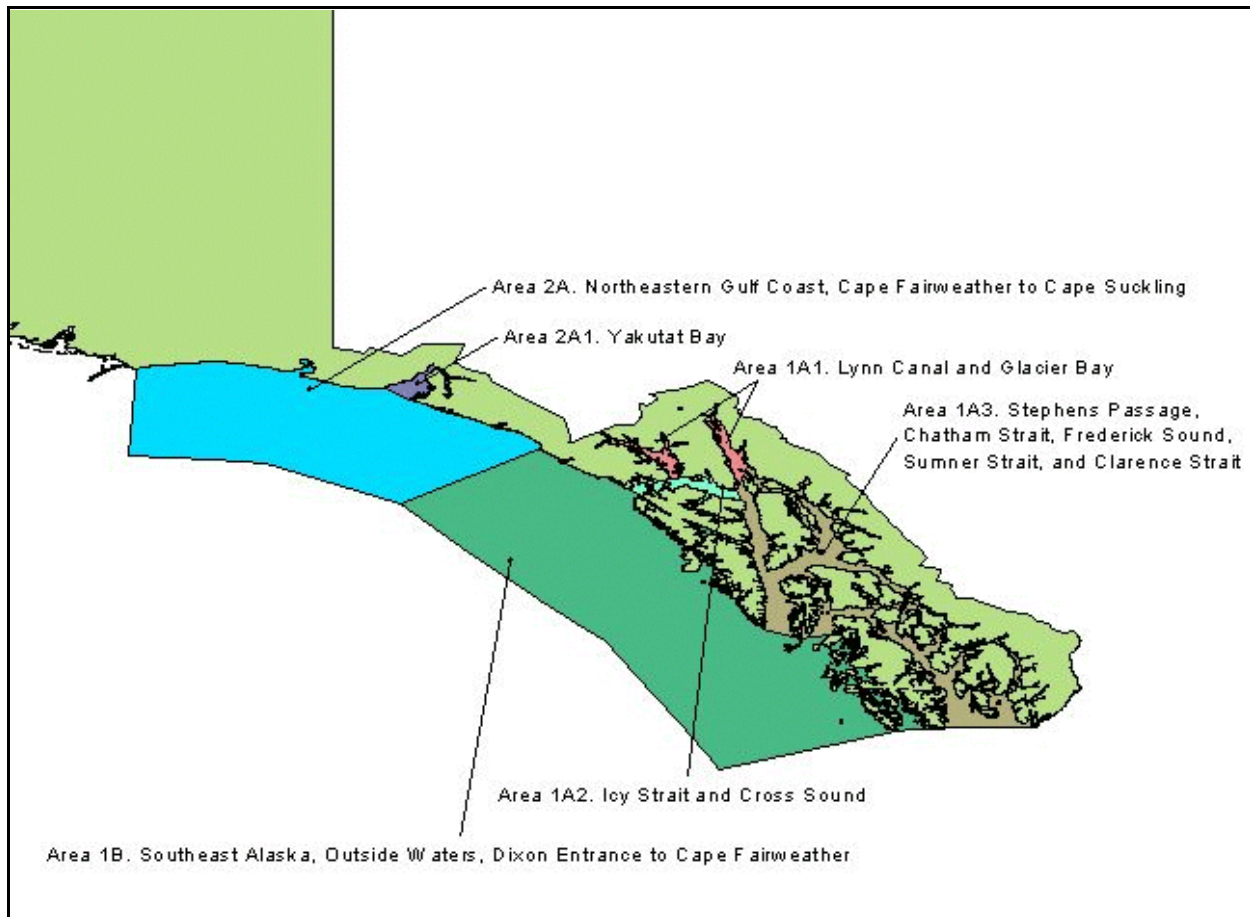
SAN DIEGO, CA (SGX) FZUS51 KSGX

AREA OF RESPONSIBILITY BOUNDARIES

San Diego-Orange, CA, county line to US-Mexico border near San Diego, CA out 60 NM

PZZ700	Synopsis for Far Southern California Coast
PZZ750	Coastal Waters from San Mateo Pt. to the Mexican border and out 30 NM
PZZ775	Waters from San Mateo Pt. to the Mexican Border extending 30 to 60 NM out including San Clemente Island

MARINE ZONES FOR WFO JUNEAU, AK



JUNEAU, AK (AJK)

FZAK61 PAJN

FZAK47 PAYA (Yakutat Bay)

AREA OF RESPONSIBILITY BOUNDARIES

Coastal and Inside Waters Dixon Entrance to Cape Suckling including Yakutat Bay

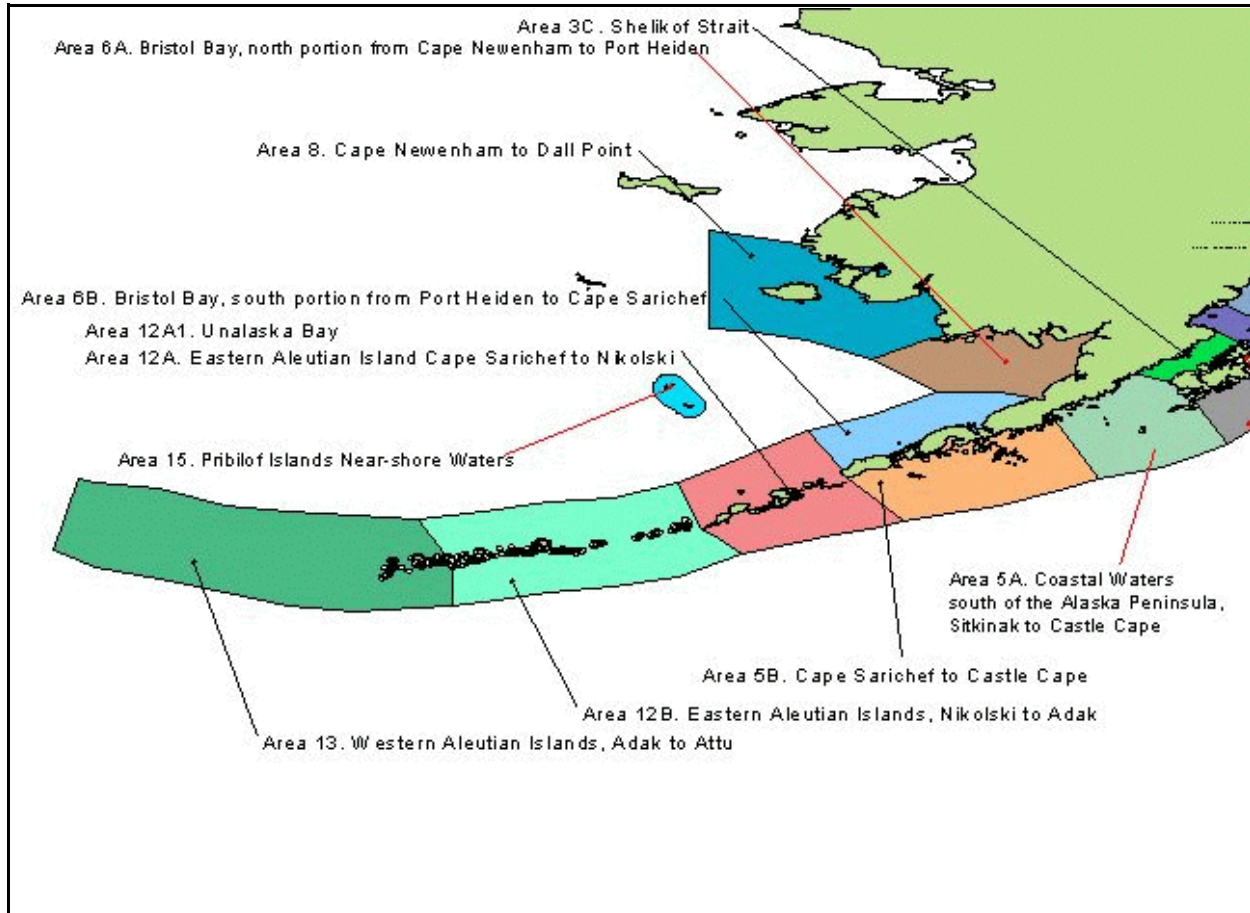
- PKZ100 Synopsis for Eastern Gulf Coast and Southeast Alaska
- PKZ113 Area 1A1. Lynn Canal and Glacier Bay
- PKZ114 Area 1A2. Icy Strait and Cross Sound
- PKZ115 Area 1A3. Stephens Passage, Chatham Strait, Frederick Sound, Sumner Strait, and Clarence Strait
- PKZ190 Area 1A. Southeast Alaska Inside Waters from Dixon Entrance to Skagway (encompasses all of Areas 1A1, 1A2, 1A3...used for an extended forecast)
- PKZ120 Area 1B. Outside waters, Dixon Entrance to Cape Fairweather
- PKZ210 Area 2A. Northeastern Gulf Coast, Cape Fairweather to Cape Suckling

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PKZ211      Area 2A1. Yakutat Bay  
PKZ291      Area 2A1. Yakutat Bay extended forecast



MARINE ZONES FOR WFO ANCHORAGE, AK - West



ANCHORAGE, AK (AFC) FZAK64 PANC (Alaska Peninsula and Bristol Bay)  
FZAK65 PANC (Southwest Alaska and the Aleutians)

AREA OF RESPONSIBILITY BOUNDARIES

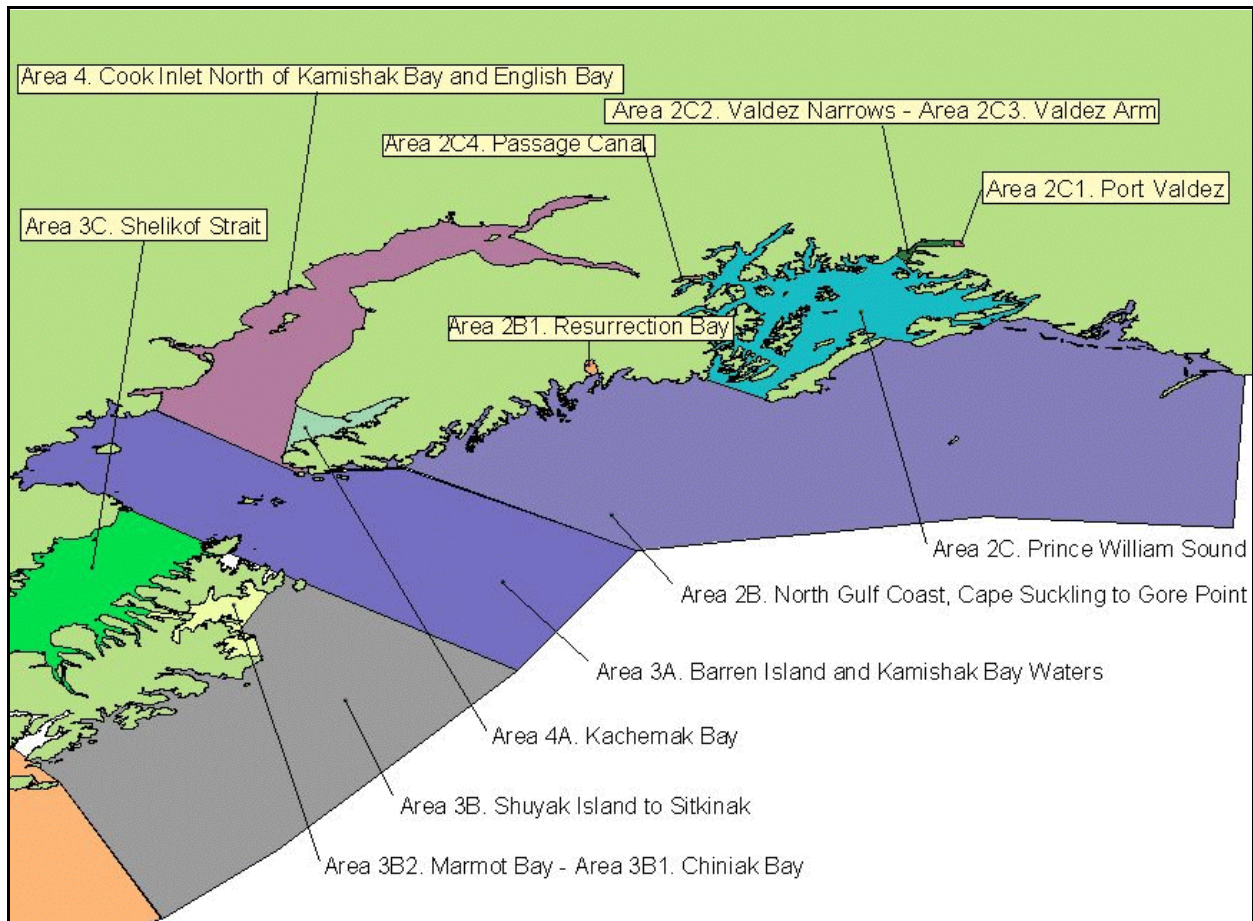
Sitkinak to Dall Point including the Aleutian and Pribilof Islands

PKZ500	Synopsis for Bristol Bay and the Alaska Peninsula waters
PKZ510	Area 5A. Coastal waters south of Alaska Peninsula, Sitkinak to Castle Cape
PKZ520	Area 5B. Coastal waters south of Alaska Peninsula, Castle Cape to Cape Sarichef
PKZ610	Area 6A. Bristol Bay, north portion from Cape Newenham to Port Heiden
PKZ620	Area 6B. Bristol Bay, south portion from Port Heiden to Cape Sarichef
PKZ590	Bristol Bay and the Alaska Peninsula Waters (extended forecast for Areas 5 and 6 combined)

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PKZ805	Synopsis for SW AK coastal waters and the Aleutian Islands
PKZ800	Area 8. Southwest Alaska Waters from Cape Newenham to Dall Point.
PKZ890	Area 8. Extended forecast
PKZ121	Area 12A. E. Aleutian Islands, Cape Sarichef to Nikolski
PKZ122	Area 12B. Eastern Aleutian Islands, Nikolski to Adak
PKZ191	Eastern Aleutians (All of Area 12. Extended forecast)
PKZ123	Area 12A1. Unalaska Bay
PKZ130	Area 13. Western Aleutian Islands, Adak to Attu
PKZ150	Area 15. Pribilof Islands, Nearshore Waters (within 5 NM of islands)
PKZ193	Area 15. extended forecast

MARINE ZONES FOR WFO ANCHORAGE, AK - East



ANCHORAGE, AK (AFC) FZAK62 PANC (East)  
 FZAK63 PANC (Cook Inlet-Kodiak Island)  
 FZAK48 PAVD (Valdez Area)

AREA OF RESPONSIBILITY BOUNDARIES

Cape Suckling to Sitkinak

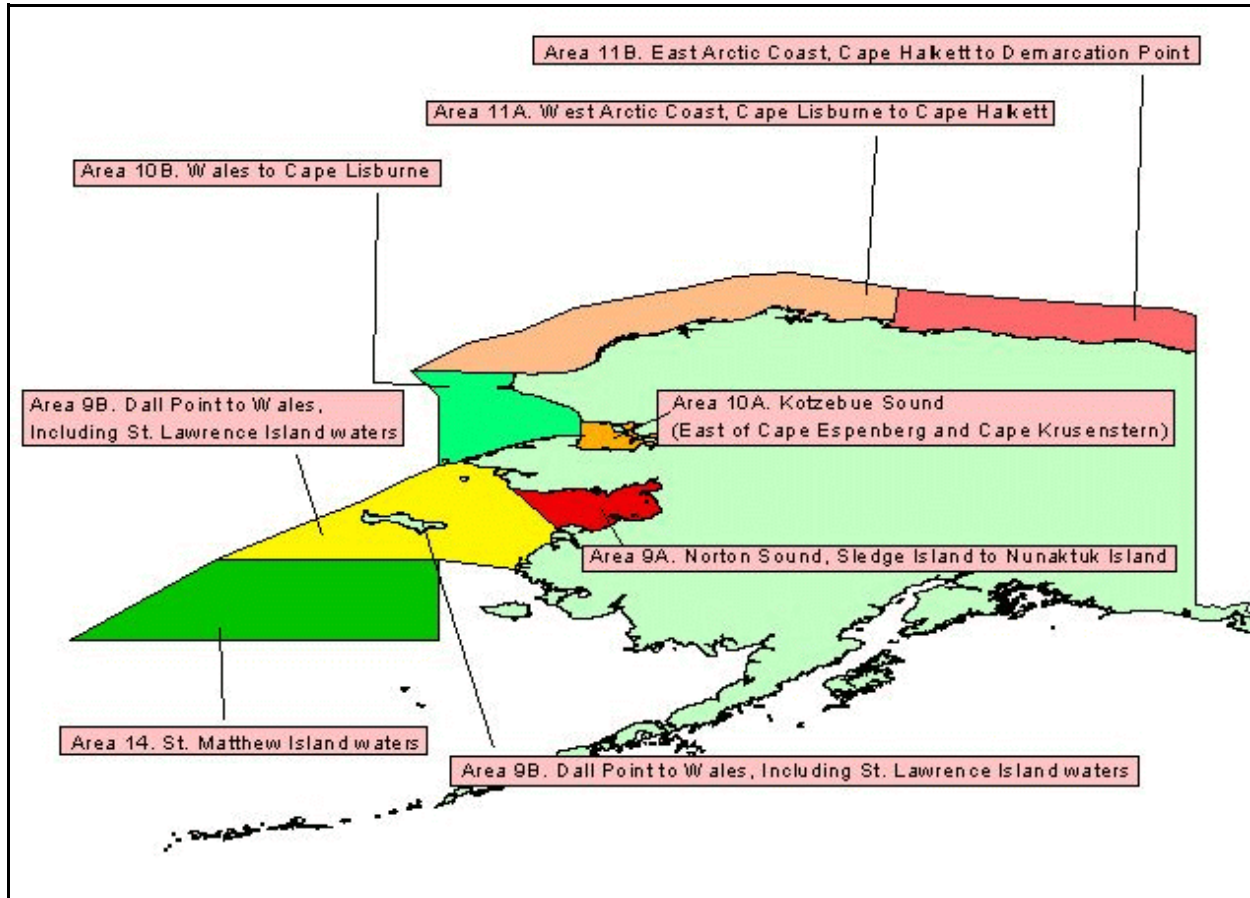
PKZ200	Synopsis for north Gulf Coast waters
PKZ220	Area 2B. North Gulf Coast, Cape Suckling to Gore Pt
PKZ221	Area 2B1. Resurrection Bay
PKZ230	Area 2C. Prince William Sound
PKZ231	Area 2C1. Port Valdez
PKZ232	Area 2C2. Valdez Narrows
	Area 2C3. Valdez Arm

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PKZ292 Valdez Port, Narrows and Arm (Areas 2C1, 2C2 and 2C3 combined...extended forecast)  
PKZ233 Area 2C4. Passage Canal  
PKZ290 North Gulf Coast Waters (Areas 2B and 2C combined...extended forecast)  
PKZ301 Synopsis for Kodiak Island waters and Cook Inlet  
PKZ310 Area 3A. Barren Island and Kamishak Bay waters  
PKZ320 Area 3B. Shuyak Island to Sitkinak  
PKZ321 Area 3B1. Chiniak  
Area 3B2. Marmot Bays  
PKZ391 Areas 3B1 and 3B2...extended forecast  
PKZ330 Area 3C. Shelikof Strait  
PKZ400 Area 4. Cook Inlet N of Kamishak Bay and English Bay  
PKZ410 Area 4A. Kachemak Bay  
PKZ390 Kodiak Island Waters and Cook Inlet (Areas 3 and 4 combined...extended forecast)



MARINE ZONES FOR WFO FAIRBANKS, AK



FAIRBANKS, AK (AFG) FZAK66 PAFA

AREA OF RESPONSIBILITY BOUNDARIES

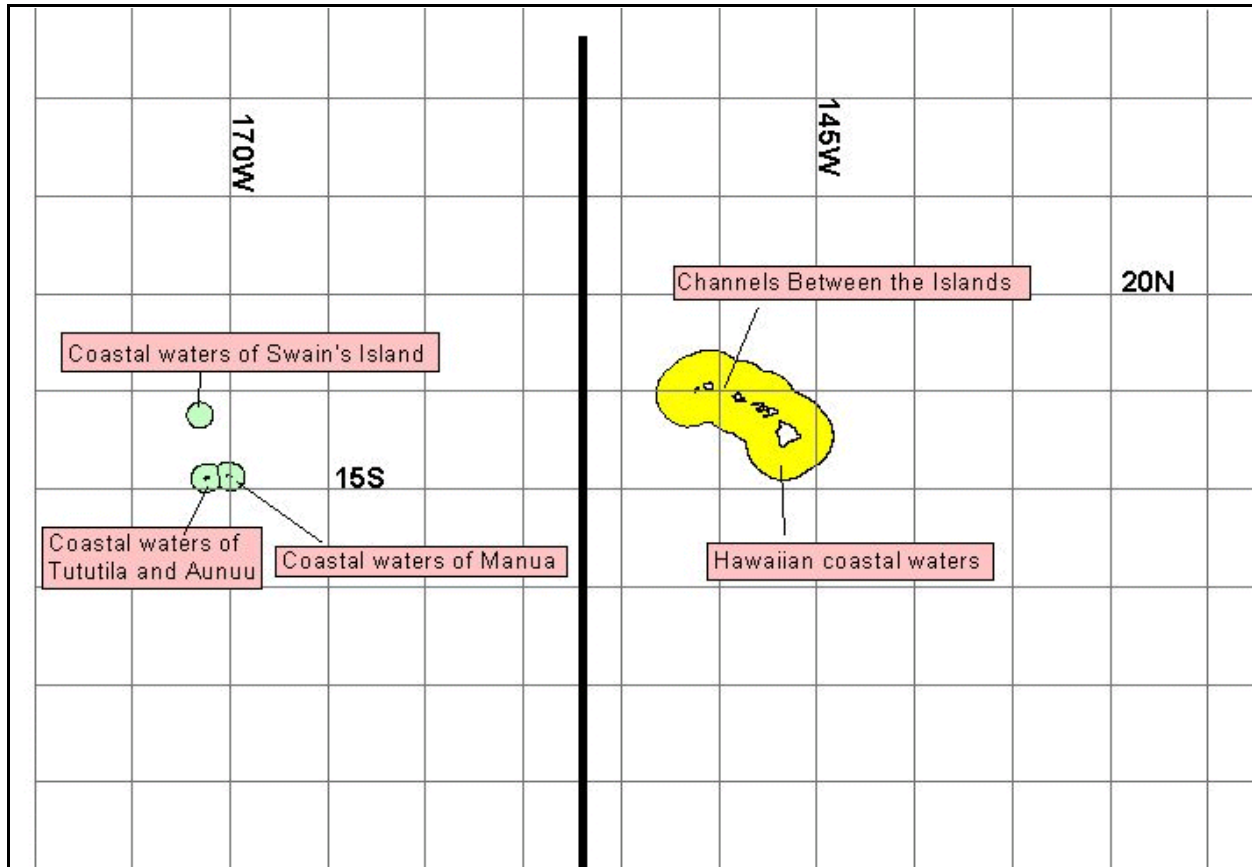
Dall Point to Demarcation Point including St. Matthew Island waters

PKZ103	Synopsis for western and Arctic Alaskan coastal waters
PKZ091	Area 9A. Norton Sound, Sledge Island to Nunaktuk Island
PKZ092	Area 9B. Dall Pt. to Wales, including St. Lawrence Island waters
PKZ101	Area 10A. Kotzebue Sound
PKZ102	Area 10B. Wales to Cape Lisburne
PKZ111	Area 11A. Western Arctic Coast, Cape Lisburne to Cape Hallett
PKZ112	Area 11B. Eastern Arctic Coast, Cape Hallett to Demarcation Pt
PKZ140	Area 14. St. Matthew Island waters
PKZ095	Western Alaska Waters South of Wales (Area 9...extended forecast)
PKZ195	Western Alaska Waters North of Wales (Area 10...extended forecast)

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PKZ194      Arctic Coast (Area 11...extended forecast)

MARINE ZONES FOR WFO HONOLULU, HI



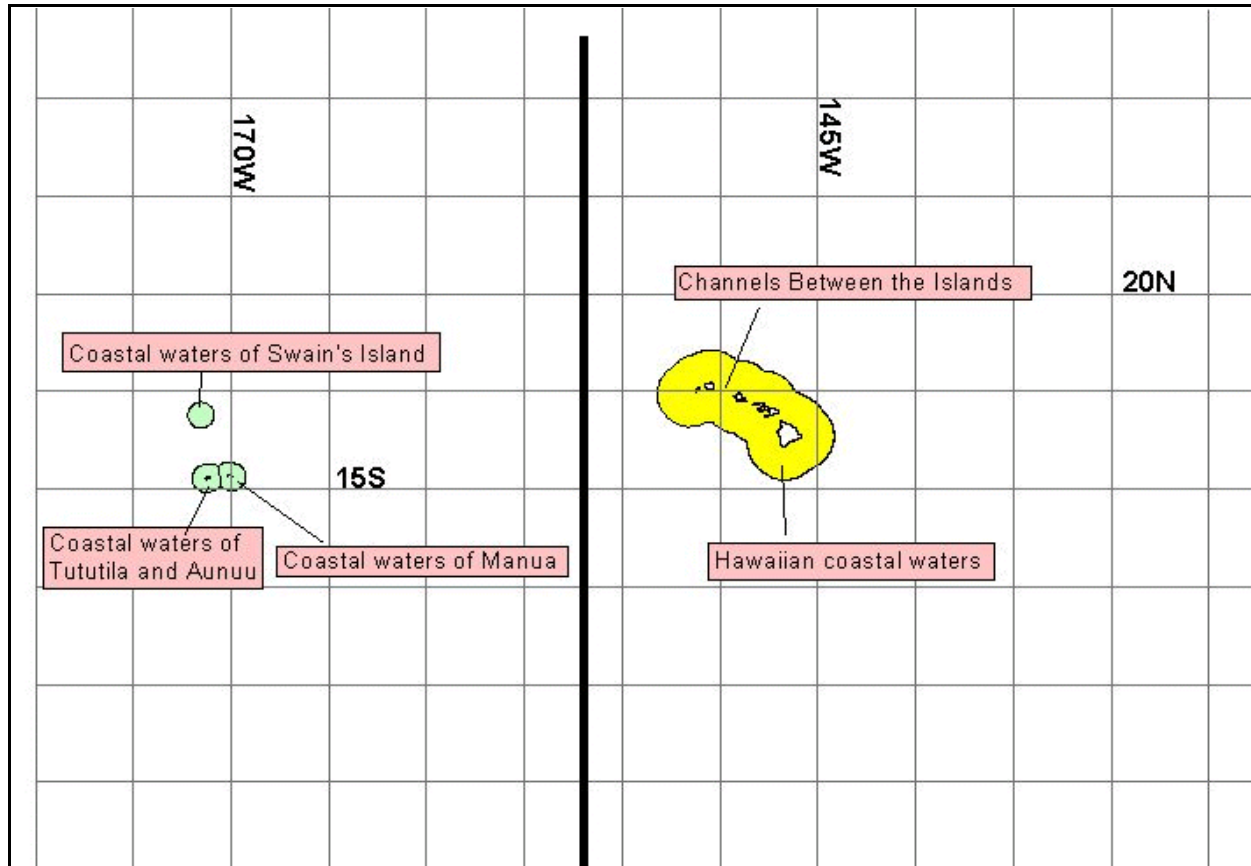
HONOLULU, HI (HFO) FZHW50 PHFO

AREA OF RESPONSIBILITY BOUNDARIES

Water area within 40 NM of the main Hawaiian Islands

PHZ100	Synopsis for Hawaiian waters
PHZ150	Hawaiian coastal waters
PHZ130	Channels between islands

MARINE ZONES FOR WSO PAGO PAGO



PAGO PAGO, AMERICAN SAMOA (STU) FZZM40 NSTU

AREA OF RESPONSIBILITY BOUNDARIES

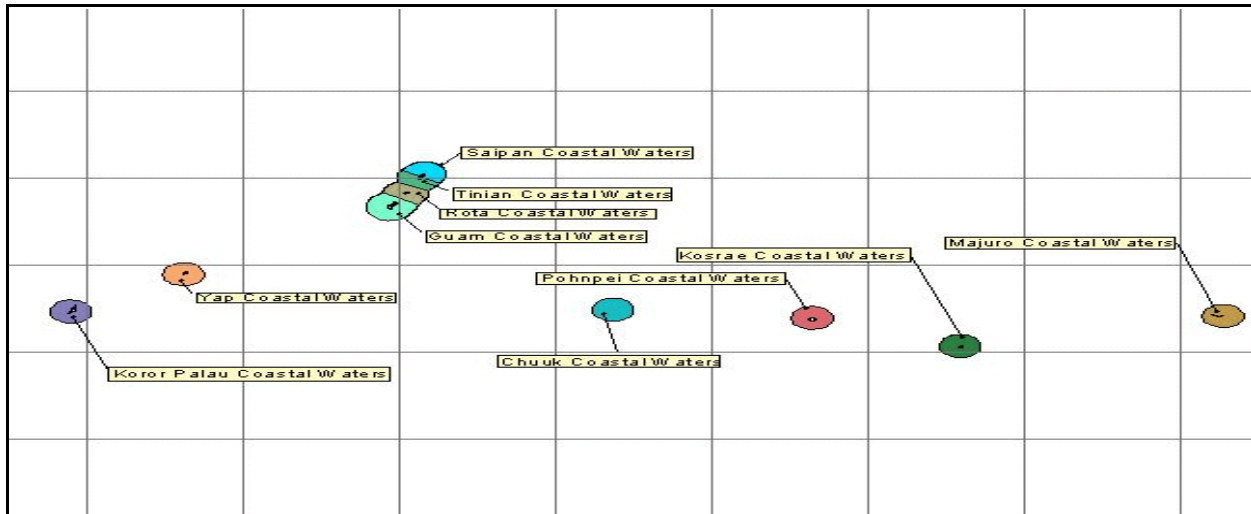
American Samoa Coastal Waters

- PSZ100 Synopsis for American Samoa coastal waters
- PSZ150\* Tututila and Aunuu coastal waters
- PSZ151\* Manua coastal waters
- PSZ152\* Swain's Island coastal waters

\* - Combined Public and Marine Zone



## MARINE ZONES FOR WFO GUAM



GUAM (GUM) FZMY50 PGUM (Guam and Commonwealth of the N. Marianas)

FZPQ50 PGUM (Rep. of Palau, Federated States of  
Micronesia, Republic of the Marshall Islands)

### AREA OF RESPONSIBILITY BOUNDARIES

Guam and the Commonwealth of the Northern Mariana Islands within 40 NM of Guam, Rota, Tinian, and Saipan

The Republic of Palau within 40 NM of Koror

The Federated States of Micronesia within 40 NM of Yap, Chuuk, Pohnpei, and Kosrae

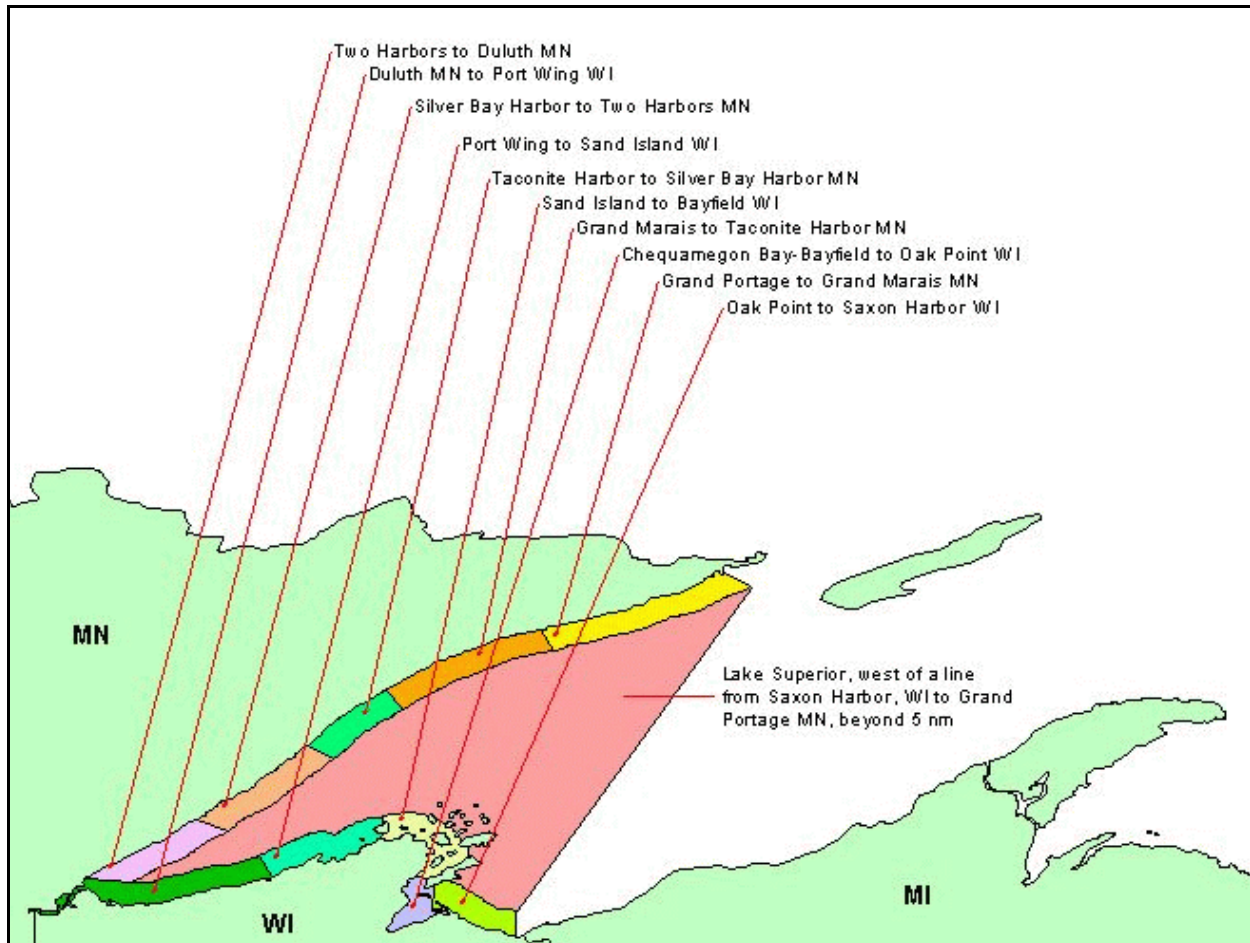
The Republic of the Marshall Islands within 40 NM of Majuro

PMZ150	Synopsis for Marianas waters
PMZ151	Guam coastal waters
PMZ152	Rota coastal waters
PMZ153	Tinian coastal waters
PMZ154	Saipan coastal waters
PMZ161*	Koror Palau coastal waters
PMZ171*	Yap coastal waters
PMZ172*	Chuuk coastal waters
PMZ173*	Pohnpei coastal waters
PMZ174*	Kosrae coastal waters
PMZ181*	Majuro coastal waters

\* - Combined Marine and Public Zone

## 2. Great Lakes Forecast Areas of Responsibility

### MARINE ZONES FOR WFO DULUTH, MN



DULUTH, MN (DLH) FZUS53 KDLH

### AREA OF RESPONSIBILITY BOUNDARIES

Lake Superior - US-Can border to WI/MI border

LSZ140	Grand Portage to Grand Marais, MN
LSZ141	Grand Marais to Taconite Harbor, MN
LSZ142	Taconite Harbor to Silver Bay Harbor, MN
LSZ143	Silver Bay Harbor to Two Harbors, MN
LSZ144	Two Harbors to Duluth, MN
LSZ145	Duluth, MN to Port Wing, WI
LSZ146	Port Wing to Sand Island, WI

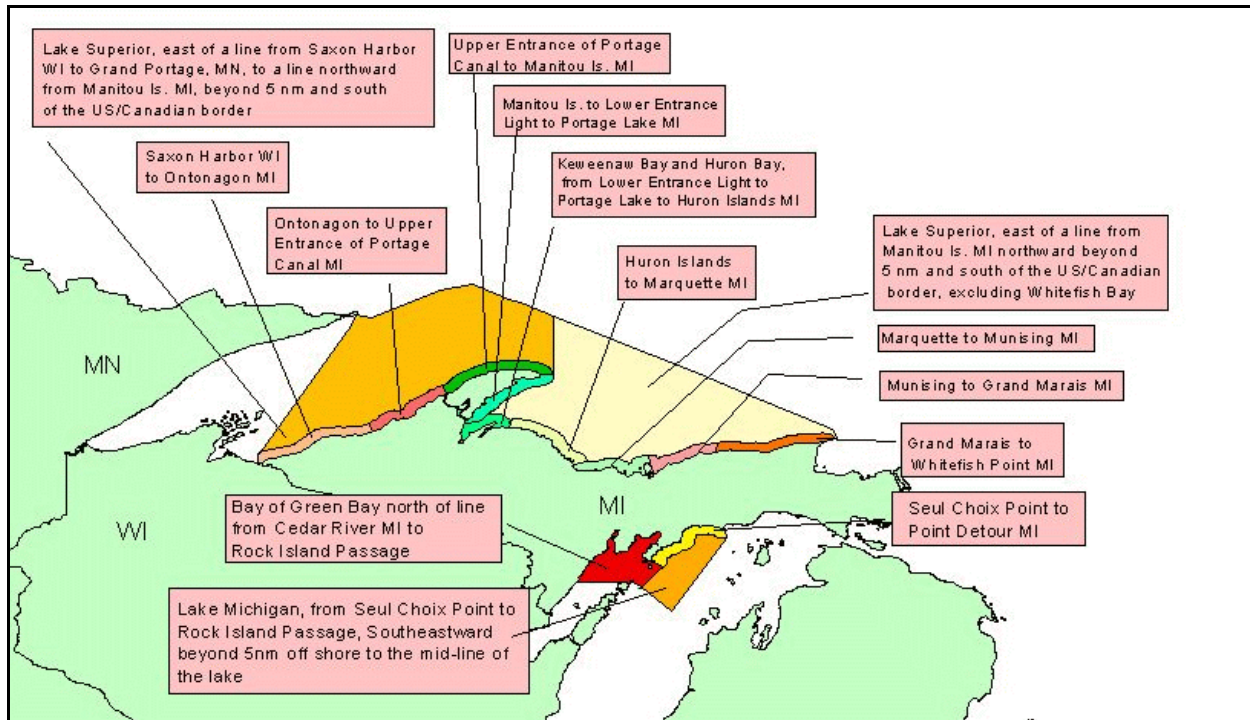
**NWSI 10-302 JULY 8, 2003**

LSZ147      Sand Island to Bayfield, WI  
LSZ121      Chequamegon Bay-Bayfield to Oak Point, WI  
LSZ148      Oak Point to Saxon Hbr., WI

LSZ162\*      \*Lake Superior, west of a line from Saxon Harbor, WI, to Grand Portage, MN,  
beyond 5 NM

\* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO MARQUETTE, MI - Lake Superior



MARQUETTE, MI (MQT)

FZUS63 KMQT (Open Lake)

FZUS53 KMQT (Nearshore)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Superior - WI/MI border to Whitefish Point, MI

LSZ260 Lake Superior Open Lake (U.S. Portion)

LSZ261 Lake Superior MAFOR

LSZ241 Saxon Harbor, WI to Ontonagon, MI

LSZ242 Ontonagon to Upper Entrance of Portage Canal, MI

LSZ243 Upper Entrance of Portage Canal to Manitou Is., MI

LSZ244 Manitou Is. to Lower Entrance Light to Portage Lake, MI

LSZ221 Keweenaw Bay and Huron Bay, from Lower Entr. Lt. to Portage Lake to Huron Isls., MI

LSZ245 Huron Islands to Marquette, MI

LSZ246 Marquette to Munising, MI

LSZ247 Munising to Grand Marais, MI

LSZ248 Grand Marais to Whitefish Pt., MI

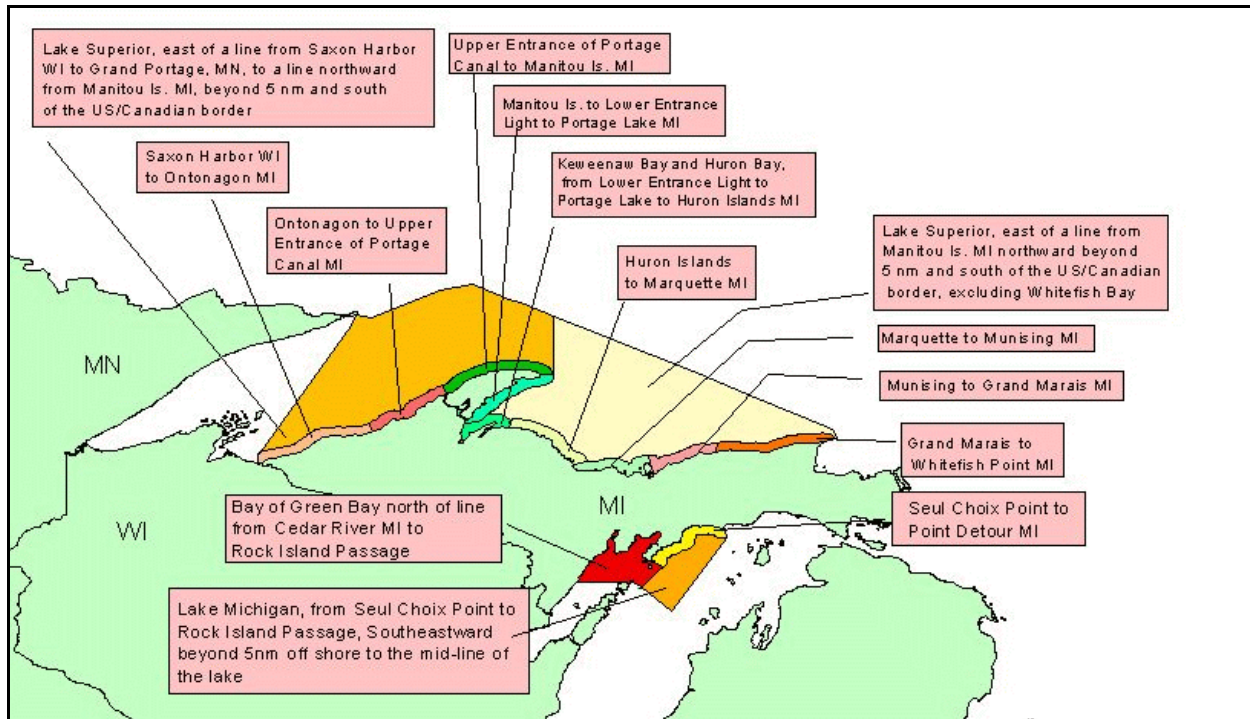


**NWSI 10-302 JULY 8, 2003**

- LSZ263\*      \*Lake Superior, east of a line from Saxon Harbor, WI to Grand Portage, MN, to a line Manitou Is., MI north, beyond 5 NM and south of the US/Canadian border
- LSZ264\*      \*Lake Superior, east of a line from Manitou Is., MI northward beyond 5 NM, and south of the US/Canadian border, excluding Whitefish Bay.

\* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO MARQUETTE, MI - Lake Michigan



MARQUETTE, MI (MQT)

FZUS63 KMQT (Open Lake)

FZUS53 KMQT (Nearshore)

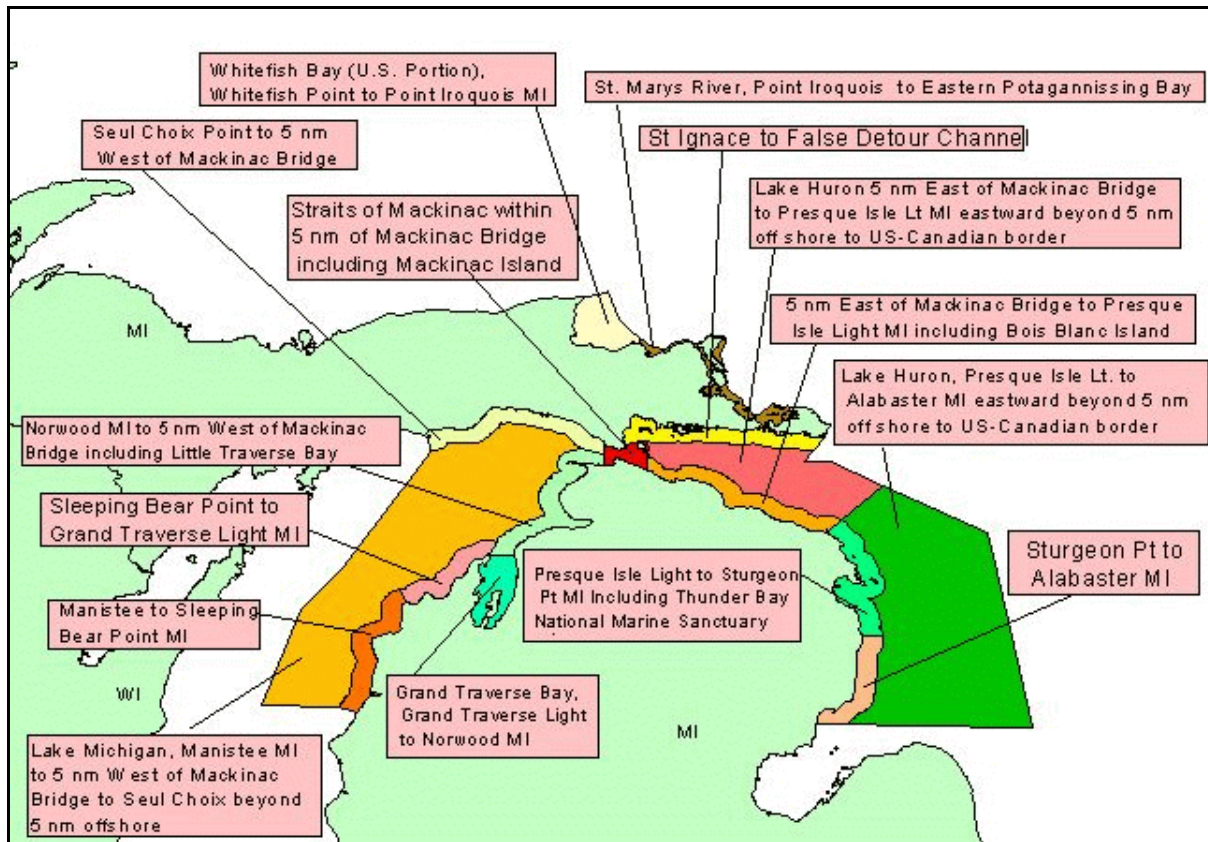
AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - Schoolcraft/Mackinac, MI county line to Rock Island Passage, including northern quarter of bay of Green Bay and the Passage Islands

- LMZ248 Seul Choix Pt. to Pt. Detour, MI
- LMZ221 Bay of Green Bay north of a line from Cedar River, MI to Rock Island Passage
- LMZ262\* \*Lake Michigan, from Seul Choix Pt. to Rock Is. Passage, southeastward beyond 5 NM off shore to the mid-line of the lake

\* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO GAYLORD, MI - Lake Superior and Lake Michigan



GAYLORD, MI (APX) FZUS53 KAPX

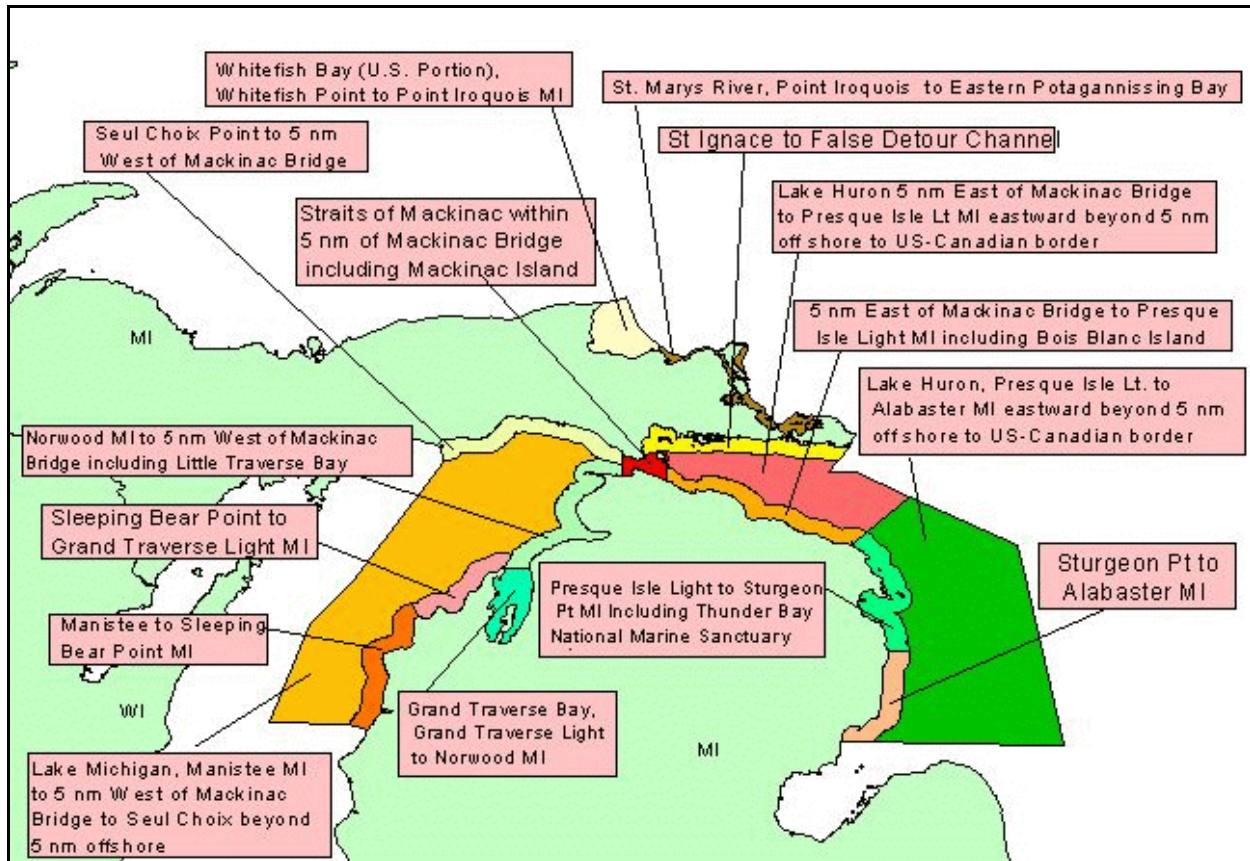
AREA OF RESPONSIBILITY BOUNDARIES

Lake Superior- U.S. Portion Whitefish Bay, St. Marys River, and Potagannissing Bay  
 Lake Michigan - Mackinac Bridge to Schoolcraft/Mackinac county line and Mackinac Bridge to Manistee/Mason, MI county line

- LSZ321 Whitefish Bay (U.S. Portion), Whitefish Pt. to Pt. Iroquois, MI
- LSZ322 St. Marys River, Pt. Iroquois to E. Potagannissing Bay
- LMZ341 Seul Choix Pt., MI to 5 NM west of Mackinac Bridge
- LMZ342 Norwood, MI to 5 NM west of Mackinac Bridge including Little Traverse Bay
- LMZ323 Grand Traverse Bay, Grand Traverse Light to Norwood, MI
- LMZ344 Sleeping Bear Pt. to Grand Traverse Light, MI
- LMZ345 Manistee to Sleeping Bear Pt., MI
- LMZ363\* \*Lake Michigan, Manistee, MI to 5 NM west of Mackinac Bridge to Seul Choix beyond 5 NM off shore

\* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO GAYLORD, MI - Lake Huron



GAYLORD, MI (APX) FZUS53 KAPX

AREA OF RESPONSIBILITY BOUNDARIES

Lake Huron - Mackinac Bridge to False Detour Channel and Mackinac to Iosco/Arenac, MI county line

- LHZ345 Straits of Mackinac within 5 NM of Mackinac Bridge including Mackinac Island
- LHZ346 St Ignace to False Detour Channel
- LHZ347 5 NM east of Mackinac Bridge to Presque Isle Lt. MI including Bois Blanc Island
- LHZ348 Presque Isle Light to Sturgeon Point, MI
- LHZ349 Sturgeon Point to Alabaster, MI

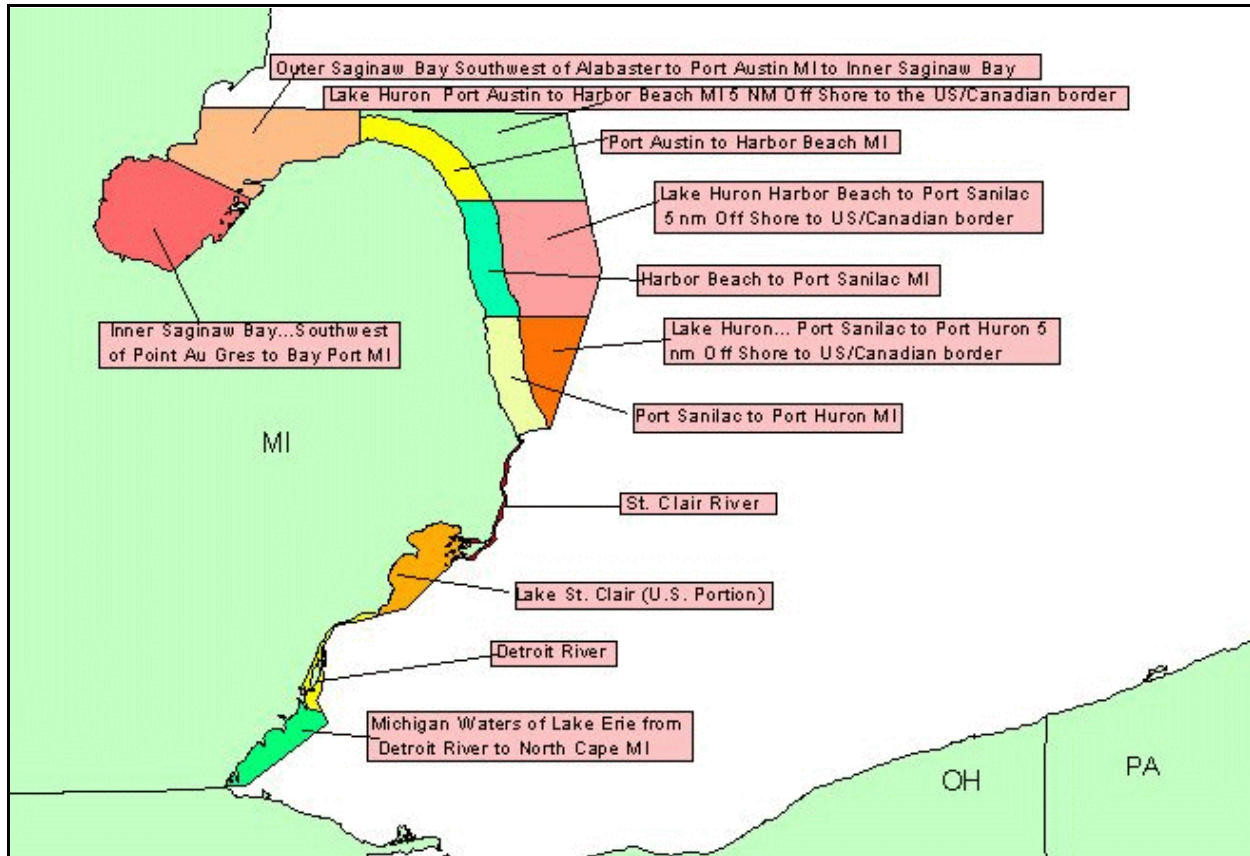
LHZ361\* \*Lake Huron, 5 NM east of Mackinac Bridge to Presque Isle Lt. MI East beyond 5 NM off shore to US-Canadian border

LHZ362\* \*Lake Huron, Presque Isle Lt. to Alabaster MI eastward beyond 5 NM off shore to US-Canadian border

\* - Special Marine Warning/Severe Local Storm Watch purposes only.



MARINE ZONES FOR WFO DETROIT, MI - Lake Huron to St. Clair River



DETROIT, MI (DTX)

FZUS63 KDTX (Open Lake)

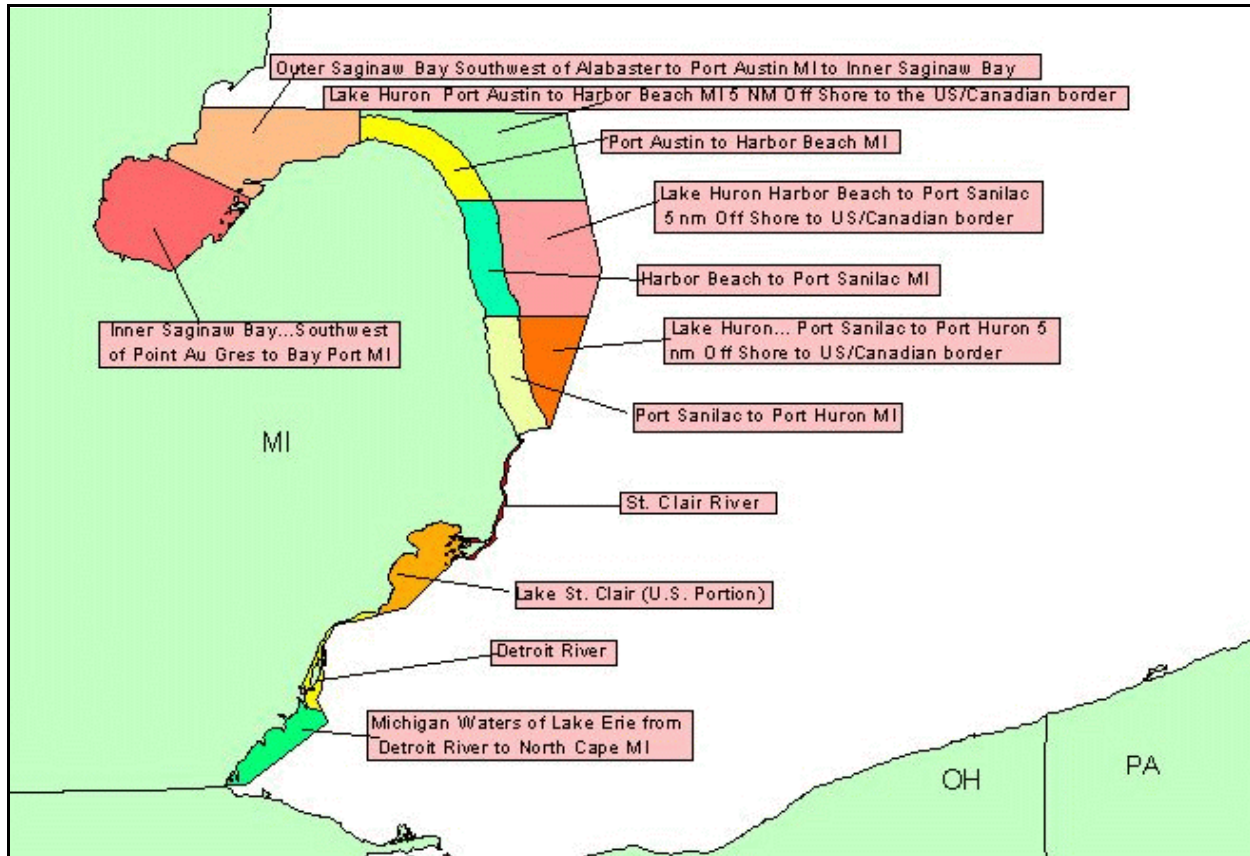
FZUS53 KDTX (Nearshore)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Huron - Iosco/Arenac, MI county line to Port Huron,

- |         |  |
|---------|--|
| LHZ460  | Lake Huron Open Lake (U.S. Portion)  |
| LHZ461  | Lake Huron MAFOR   |
| LHZ421  | Outer Saginaw Bay, SW of Alabaster to Port Austin, MI to Inner Saginaw Bay |
| LHZ422  | Inner Saginaw Bay, SW of Point Au Gres to Bay Port, MI                     |
| LHZ441  | Port Austin to Harbor Beach, MI  |
| LHZ442  | Harbor Beach to Port Sanilac, MI   |
| LHZ443  | Port Sanilac to Port Huron, MI   |
| LHZ462* | *Lake Huron, Port Austin to Harbor Beach 5 NM off shore to US/Can border   |
| LHZ463* | *Lake Huron, Harbor Beach to Port Sanilac 5 NM off shore to US/Can border  |
| LHZ464* | *Lake Huron, Port Sanilac to Port Huron 5 NM off shore to US/Can border    |

MARINE ZONES FOR WFO DETROIT, MI -St Clair River to Lake Erie



DETROIT, MI (DTX)

FZUS63 KDTX (Open Lake)

FZUS53 KDTX (Nearshore)

AREA OF RESPONSIBILITY BOUNDARIES

St. Clair River, Lake St. Clair, Detroit River

Lake Erie - Detroit River to MI/OH border

LCZ422\* \*St. Clair River

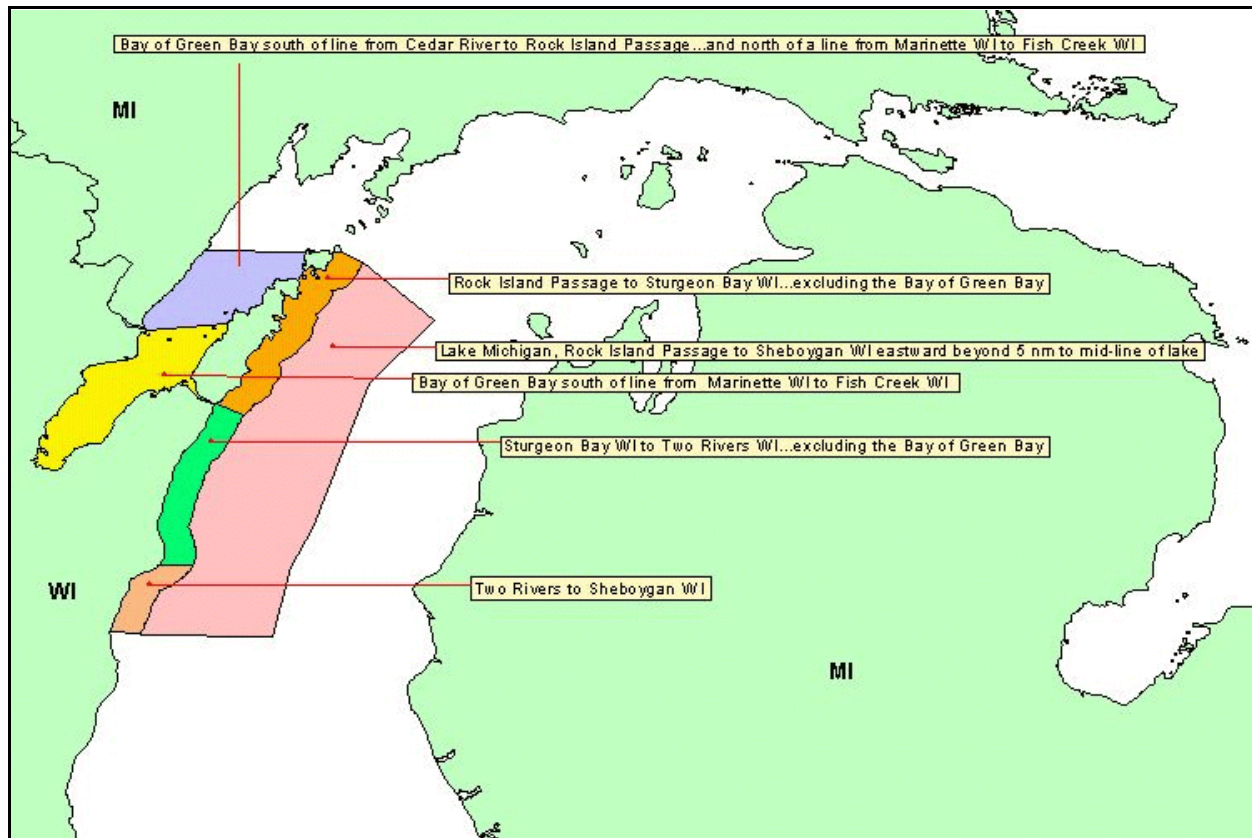
LCZ460 Lake St. Clair (U.S. Portion)

LCZ423\* \*Detroit River

LEZ444 Michigan waters of Lake Erie from Detroit River Lt. to North Cape, MI

\* - Special Marine Warning/Severe Local Storm Watch purposes only.

## MARINE ZONES FOR WFO GREEN BAY, WI



GREEN BAY, WI (GRB) FZUS53 KGRB

### AREA OF RESPONSIBILITY BOUNDARIES

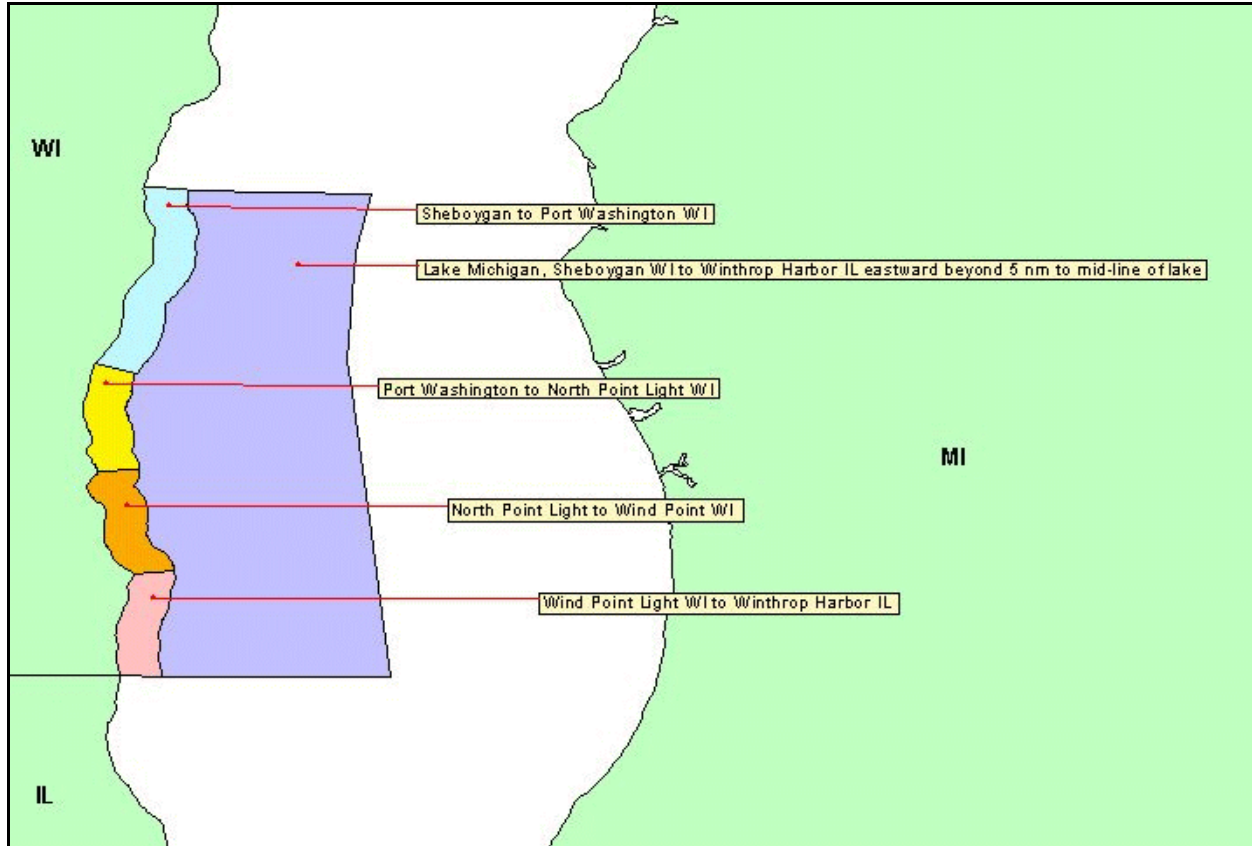
Lake Michigan - Rock Island Passage to Manitowoc/Sheboygan, WI county line including southern three-quarters of Bay of Green Bay

- LMZ521 Bay of Green Bay south of line from Cedar River to Rock Island Passage and north of a line from Marinette, WI to Fish Creek, WI
- LMZ522 Bay of Green Bay south of a line from Marinette, WI to Fish Creek, WI
- LMZ541 Rock Island Passage to Sturgeon Bay, WI (excluding the Bay of Green Bay)
- LMZ542 Sturgeon Bay to Two Rivers, WI (excluding the Bay of Green Bay)
- LMZ543 Two Rivers to Sheboygan, WI

LMZ564\* \*Lake Michigan, Rock Island Passage to Sheboygan, WI eastward beyond 5 NM to mid-line of lake

\* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO MILWAUKEE - SULLIVAN, WI



MILWAUKEE - SULLIVAN, WI (MKX) FZUS53 KMKX

AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - Manitowoc/ Sheboygan, WI county line to IL/WI border

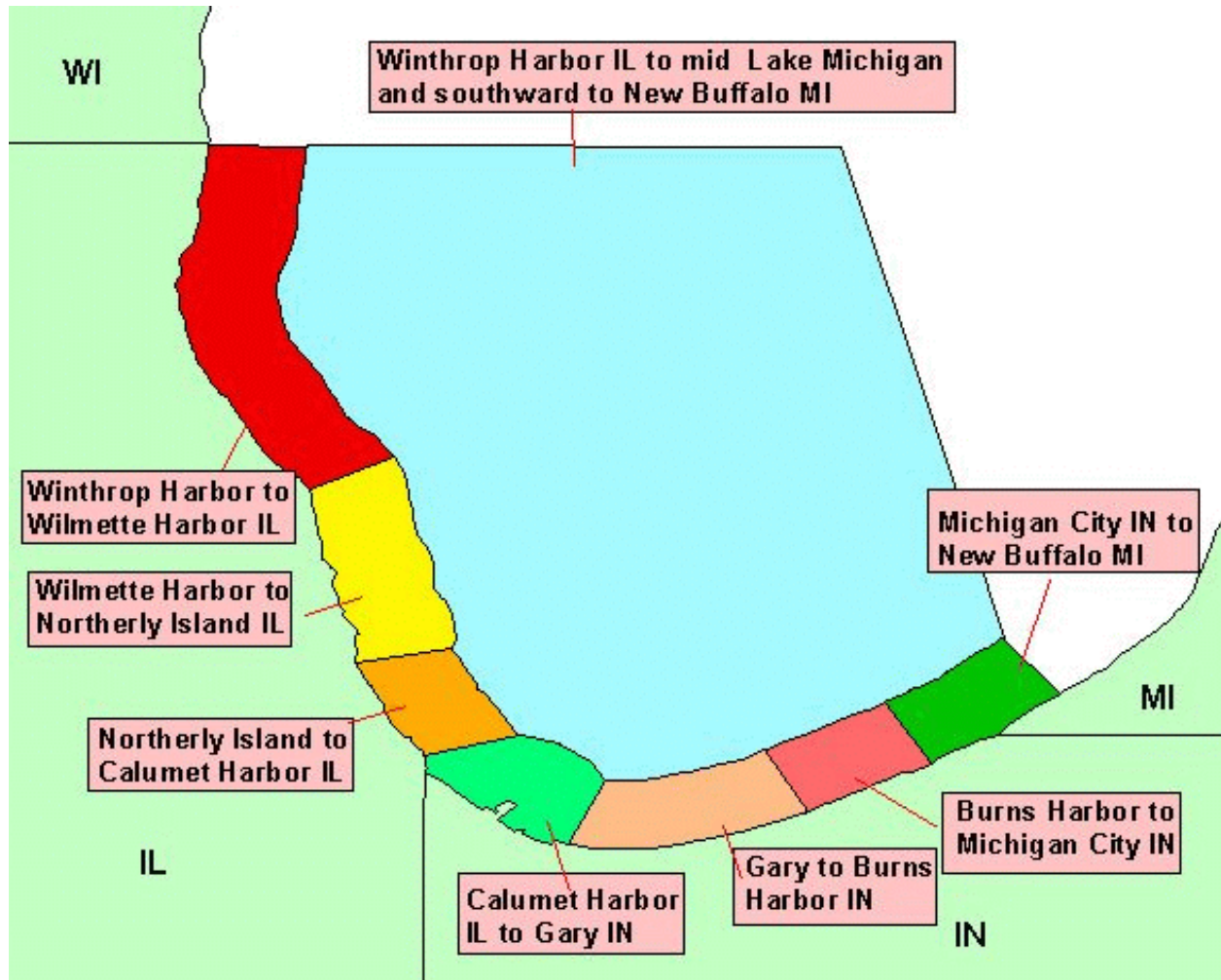
LMZ643	Sheboygan to Port Washington, WI
LMZ644	Port Washington to North Pt. Light, WI
LMZ645	North Pt. Light. to Wind Pt., WI
LMZ646	Wind Pt., WI to Winthrop Harbor, IL

LMZ665\* \*Lake Michigan, Sheboygan, WI to Winthrop Harbor, IL eastward beyond 5 NM to mid-line of lake

\* - Special Marine Warning/Severe Local Storm Watch purposes only.



MARINE ZONES FOR WFO CHICAGO, IL



CHICAGO, IL (LOT)

FZUS63 KLOT (Open Lake)

FZUS53 KLOT (Nearshore)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - IL/WI border to MI/IN border

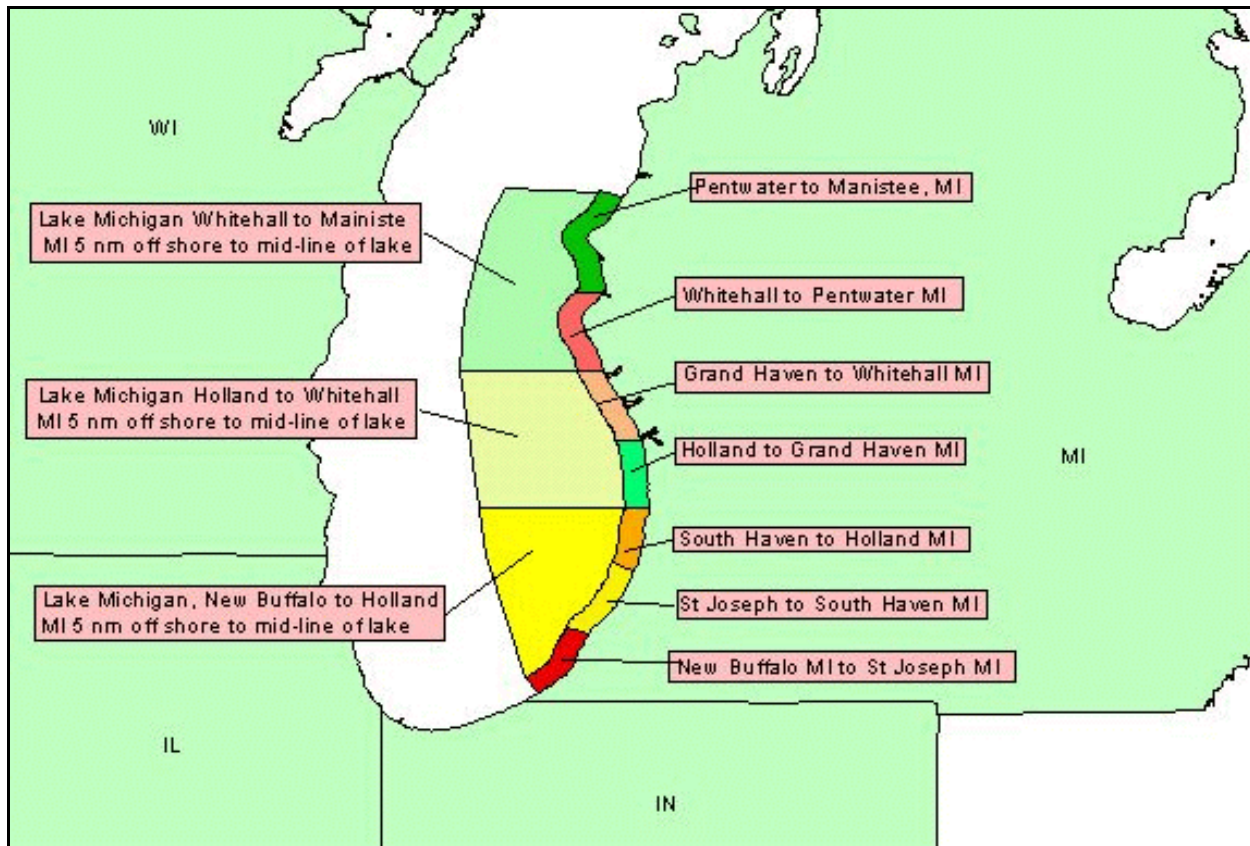
LMZ760	Lake Michigan Open Lake
LMZ761	Lake Michigan MAFOR
LMZ740	Winthrop Harbor to Wilmette Harbor, IL
LMZ741	Wilmette Harbor to Northerly Island, IL
LMZ742	Northerly Island to Calumet Harbor, IL
LMZ743	Calumet Harbor, IL to Gary, IN



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LMZ744 Gary to Burns Harbor, IN  
LMZ745 Burns Harbor to Michigan City, IN  
LMZ746 Michigan City, IN to New Buffalo, MI  
LMZ766\* \*Lake Michigan, Winthrop Harbor, IL eastward to the mid-point of the lake  
and southward to New Buffalo, MI beyond 5 NM off shore  
\* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO GRAND RAPIDS, MI



GRAND RAPIDS, MI (GRR) FZUS53 KGRR

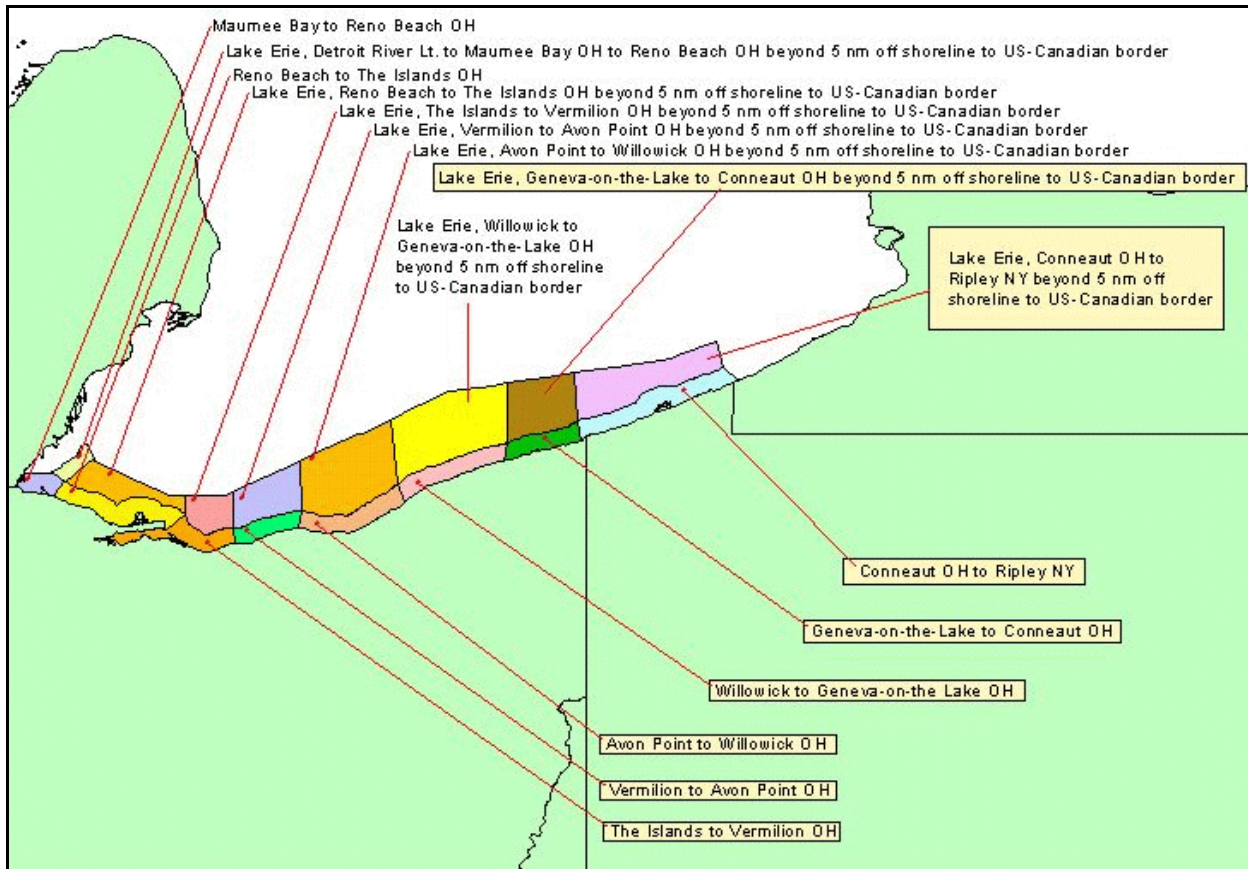
AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - MI/IN border to Manistee/Mason, MI county line

- LMZ843 New Buffalo to St Joseph, MI
- LMZ844 St Joseph to South Haven, MI
- LMZ845 South Haven to Holland, MI
- LMZ846 Holland to Grand Haven, MI
- LMZ847 Grand Haven to Whitehall, MI
- LMZ848 Whitehall to Pentwater, MI
- LMZ849 Pentwater to Manistee, MI
- LMZ867\* \*Lake Michigan, New Buffalo to Holland, MI 5 NM off shore to mid-line of lake
- LMZ868\* \*Lake Michigan, Holland to Whitehall, MI 5 NM off shore to mid-line of lake
- LMZ869\* \*Lake Michigan, Whitehall to Manistee, MI 5 NM off shore to mid-line of lake

\* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO CLEVELAND, OH - Nearshore



CLEVELAND, OH (CLE)

FZUS61 KCLE (Open Lake)

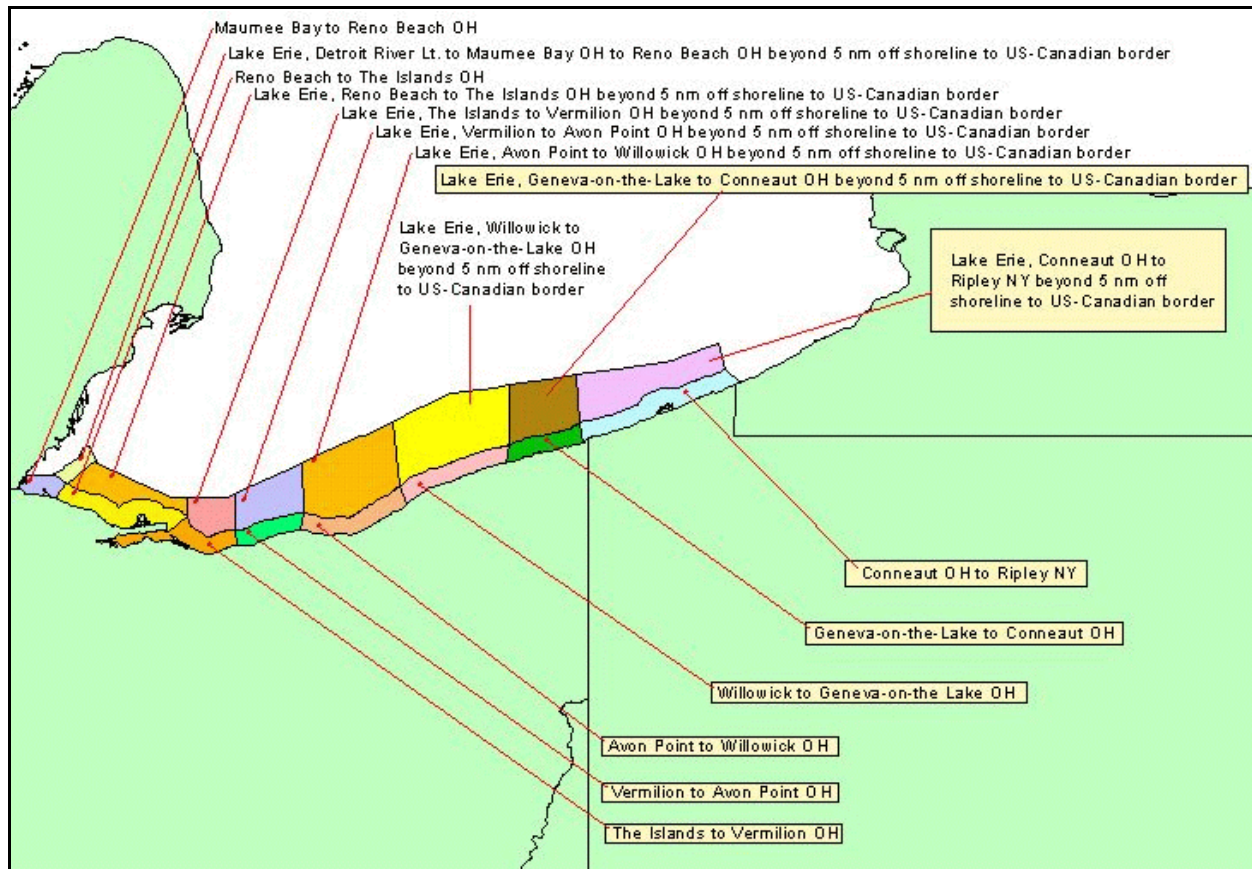
FZUS53 KCLE (Nearshore)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Erie - MI/OH border to NY/PA border

LEZ160	Lake Erie Open Lake (U.S. Portion)
LEZ161	Lake Erie MAFOR
LEZ142	Maumee Bay to Reno Beach OH
LEZ143	Reno Beach to The Islands OH
LEZ144	The Islands to Vermilion OH
LEZ145	Vermilion to Avon Point OH
LEZ146	Avon Point to Willowick OH
LEZ147	Willowick to Geneva-on-the Lake OH
LEZ148	Geneva-on-the-Lake to Conneaut OH
LEZ149	Conneaut OH to Ripley NY

MARINE ZONES FOR WFO CLEVELAND, OH - Offshore



CLEVELAND, OH (CLE)

FZUS61 KCLE (Open Lake)

FZUS53 KCLE (Nearshore)

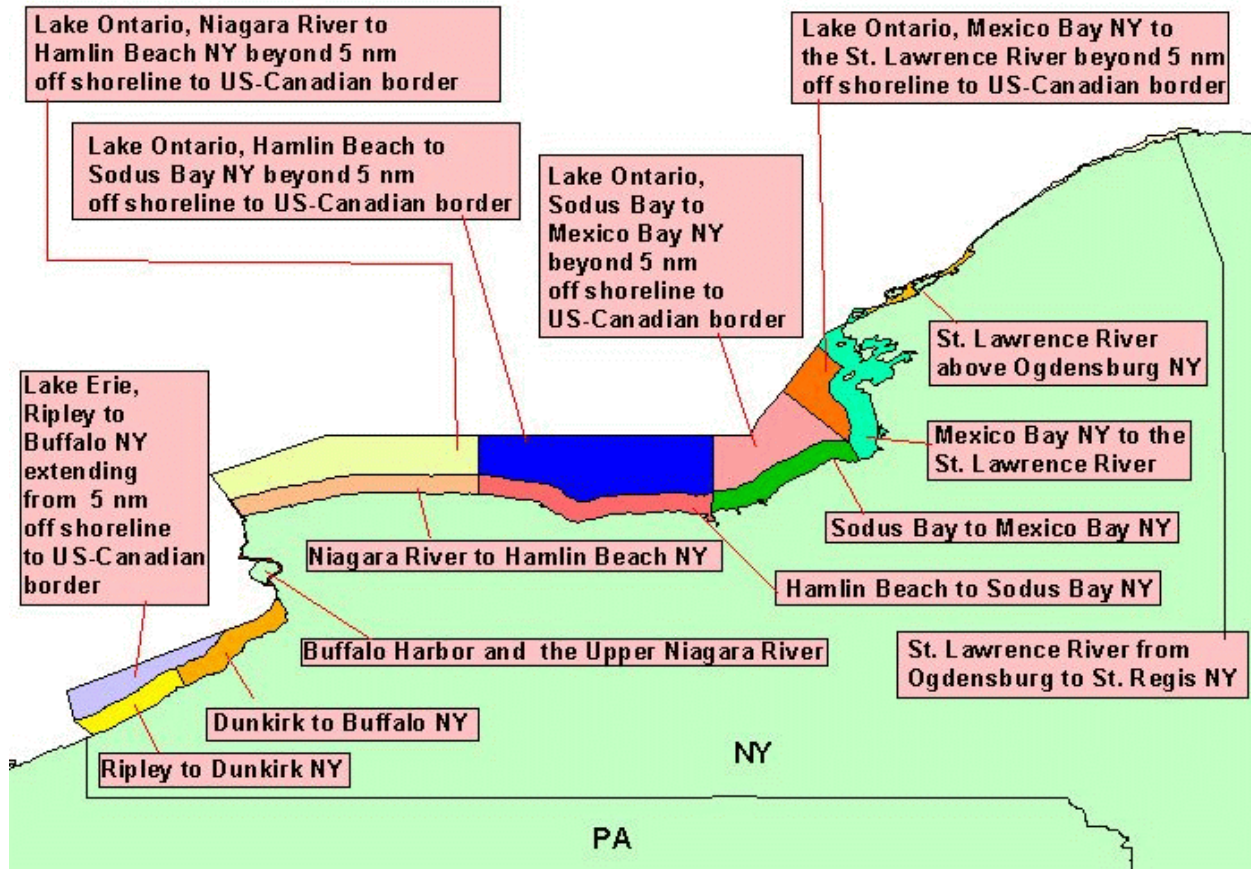
AREA OF RESPONSIBILITY BOUNDARIES

Lake Erie - MI/OH border to NY/PA border

- LEZ162\* \*Detroit River Lt. to Maumee Bay OH to Reno Beach OH beyond 5 NM off shoreline to US-Can border
  - LEZ163\* \*Reno Beach to The Islands OH beyond 5 NM off shoreline to US-Can border
  - LEZ164\* \*The Islands to Vermilion OH beyond 5 NM off shoreline to US-Can border
  - LEZ165\* \*Vermilion to Avon Point OH beyond 5 NM off shoreline to US-Can border
  - LEZ166\* \*Avon Point to Willowick OH beyond 5 NM off shoreline to US-Can border
  - LEZ167\* \*Willowick to Geneva-on-the Lake OH beyond 5 NM off shoreline to US-Can border
  - LEZ168\* \*Geneva-on-the-Lake to Conneaut OH beyond 5 NM off shoreline to US-Can border
  - LEZ169\* \*Conneaut OH to Ripley NY beyond 5 NM off shoreline to US-Can border
- \* - Special Marine Warning/Severe Local Storm Watch purposes only.



MARINE ZONES FOR WFO BUFFALO, NY - Lake Erie and  
Lake Ontario -Nearshore



BUFFALO, NY (BUF)

FZUS61 KBUF (Open Lake)

FZUS51 KBUF (Nearshore)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Erie - NY/PA border to Buffalo Harbor, Buffalo Harbor and Niagara River

Lake Ontario - US/Can border near Niagara River to US/Can border at St. Lawrence River

LEZ040	Ripley to Dunkirk, NY
LEZ041	Dunkirk to Buffalo, NY
LEZ061*	*Ripley to Buffalo, NY extending from 5 NM off shoreline to US-Can border
LEZ020	Buffalo Harbor and the Upper Niagara River
LOZ060	Lake Ontario Open Lake (U.S. Portion)
LOZ061	Lake Ontario MAFOR
LOZ042	Niagara River to Hamlin Beach, NY
LOZ043	Hamlin Beach to Sodus Bay, NY

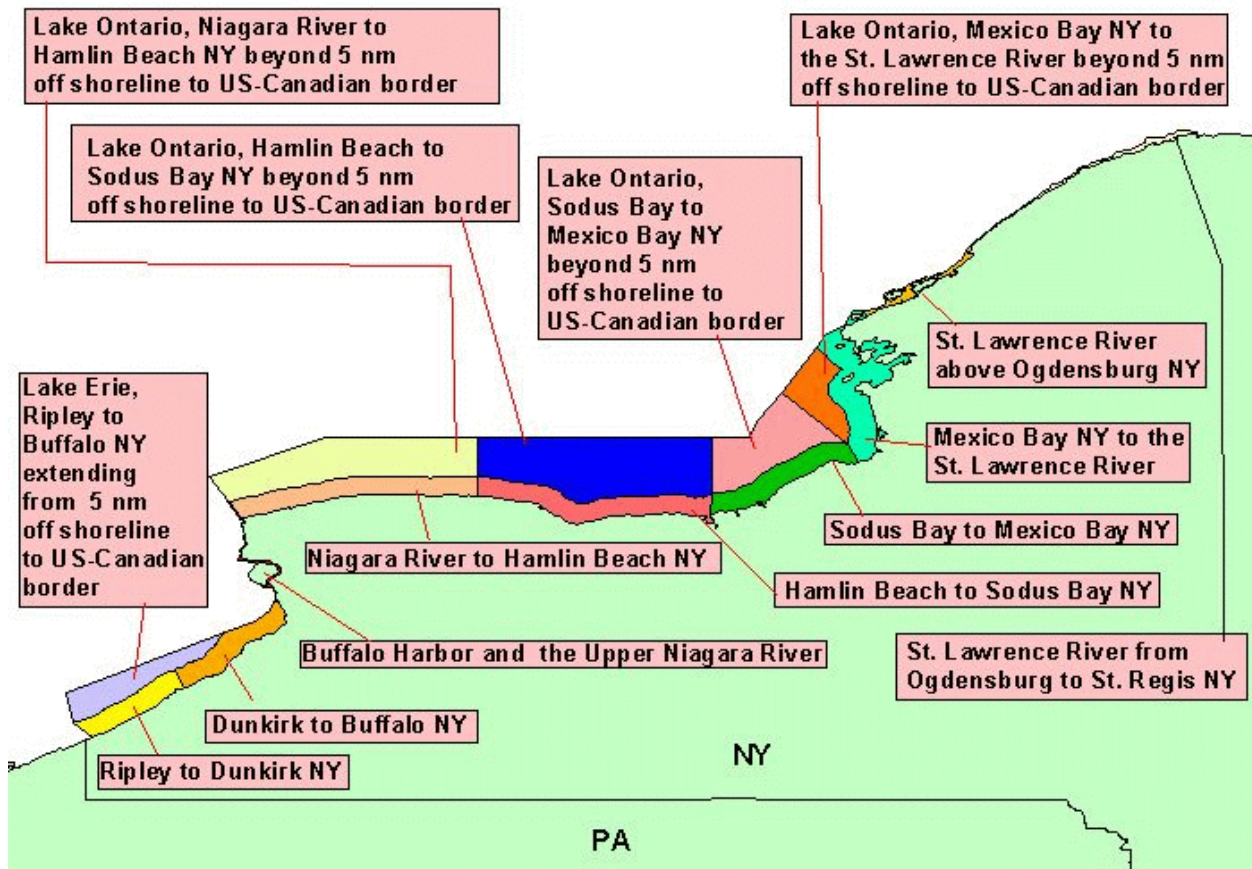


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LOZ044      Sodus Bay to Mexico Bay, NY  
LOZ045      Mexico Bay, NY to the St. Lawrence River

\* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO BUFFALO, NY - Lake Ontario - Offshore  
St Lawrence River



BUFFALO, NY (BUF)

FZUS61 KBUF (Open Lake)

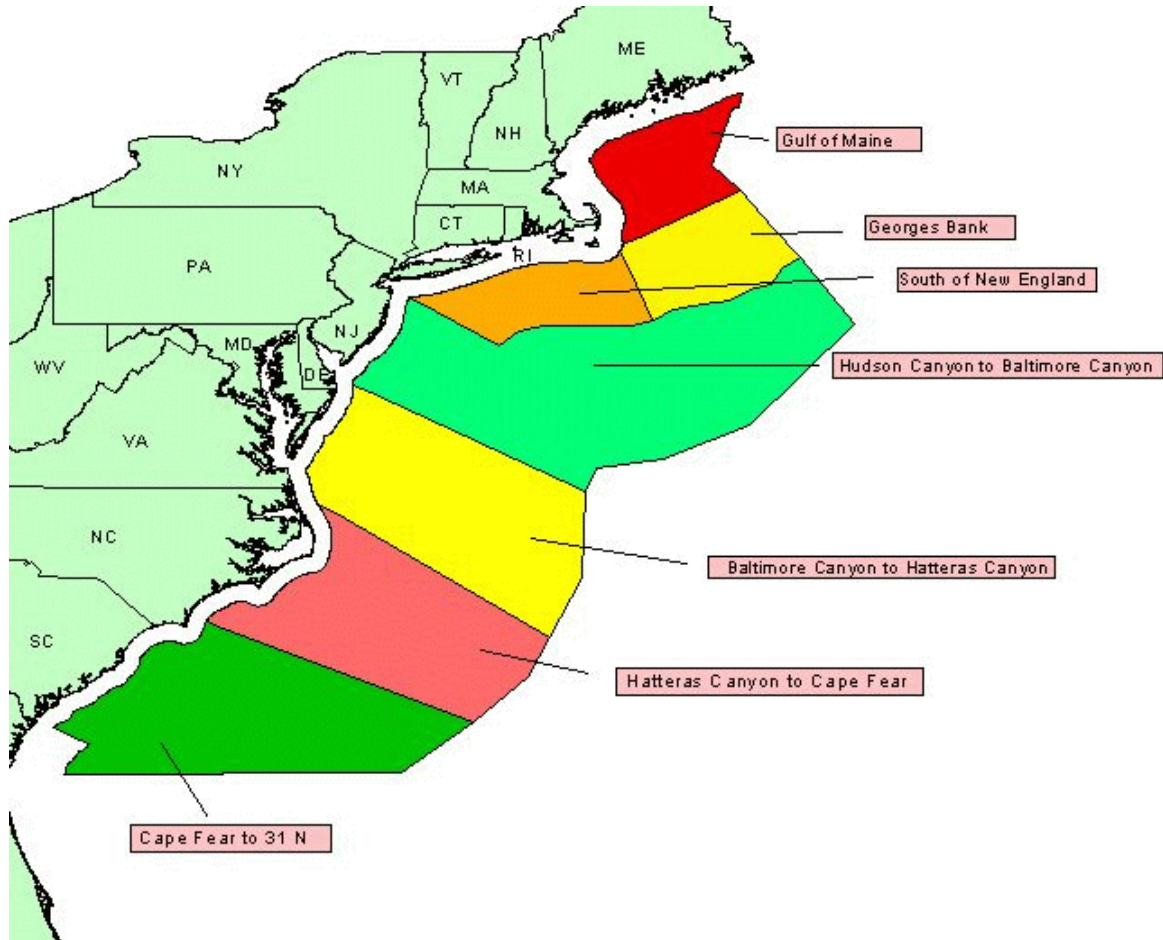
FZUS51 KBUF (Nearshore)

AREA OF RESPONSIBILITY BOUNDARIES

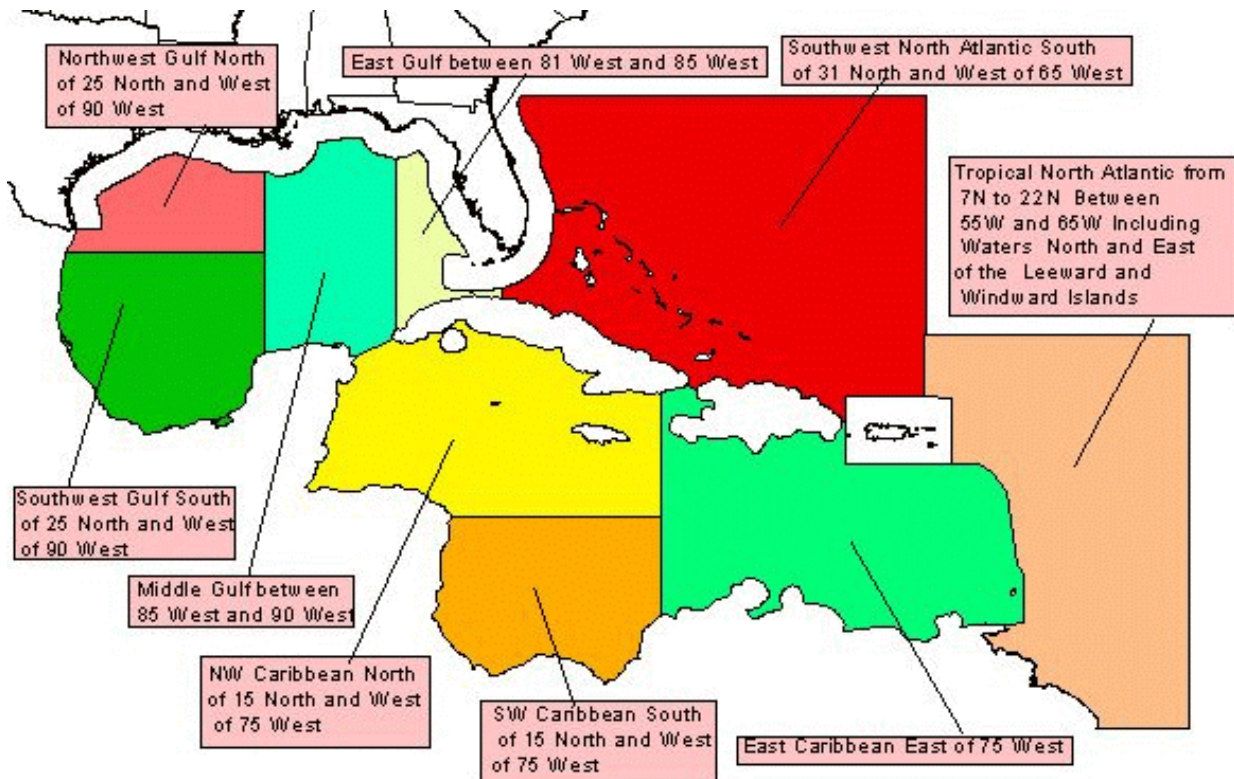
Lake Ontario - US/Can border near Niagara River to US/Can border at St. Lawrence River  
St. Lawrence River - Lake Ontario to St. Regis

- LOZ062\* \*Niagara River to Hamlin Beach, NY beyond 5 NM off shore to US-Can border
  - LOZ063\* \*Hamlin Beach to Sodus Bay, NY beyond 5 NM off shore to US-Can border
  - LOZ064\* \*Sodus Bay to Mexico Bay, NY beyond 5 NM off shore to US-Can border
  - LOZ065\* \*Mexico Bay, NY to the St. Lawrence River beyond 5 NM off shore to US-Can border
  - SLZ022 St. Lawrence River above Ogdensburg, NY
  - SLZ024 St. Lawrence River from Ogdensburg to St. Regis, NY
- \* - Special Marine Warning/Severe Local Storm Watch purposes only.

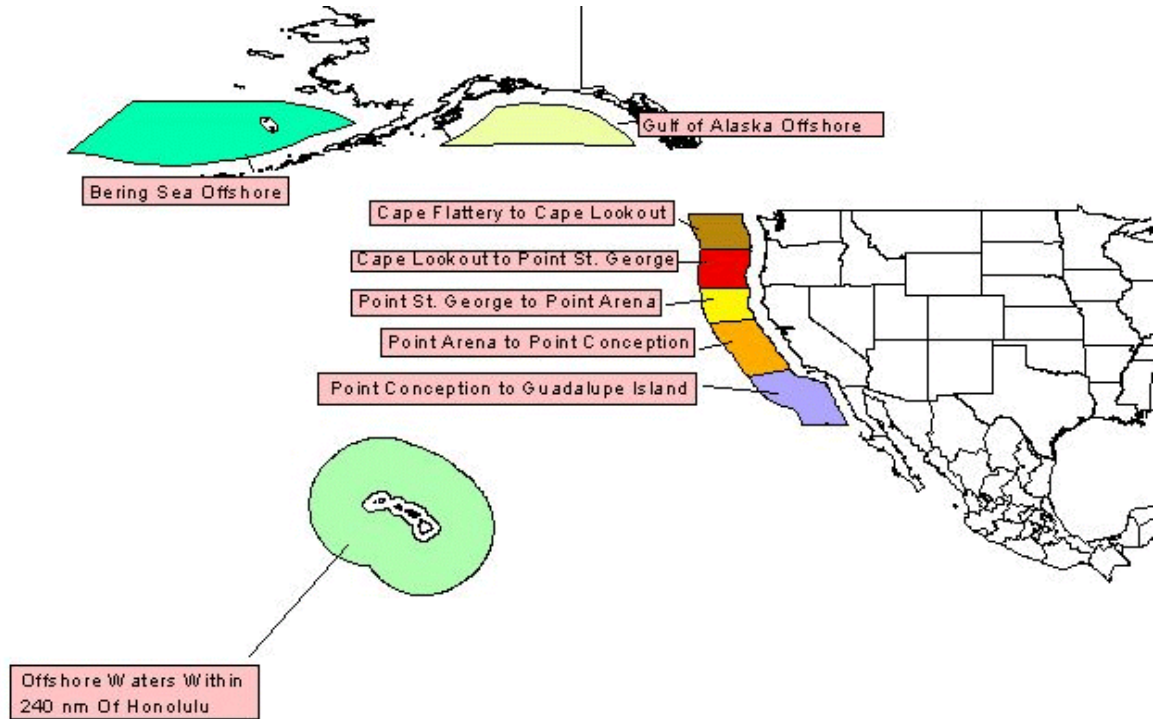
3. Offshore Forecast Areas of Responsibility.



North Atlantic



South Atlantic, Gulf of Mexico and Carribean



East Pacific, Alaska, and Hawaii



OFFSHORE FORECASTS

Upon request, WFO Fairbanks will provide forecasts for water areas of northern Alaska outside the Coastal Marine Forecast areas to 200 NM from shore. No product designator is given.

<u>Issue Off.</u>	<u>Official Area of Responsibility</u>	<u>Warning and Forecast Headings</u>	<u>UGC</u>	<u>Area ID</u>
NCEP/ OPC	Waters of the West Atlantic Ocean adjacent to the U.S. southwest of the Hague Line and north of 31N and between the Coastal Waters Forecast and 250 NM off shore	Waters outside the coastal waters to the Hague Line except to 1000 fathoms south of New England:		
		Synopsis for New Eng. Continental Shelf and Slope waters to the Hague Line except to 1000 fathoms south of New England	ANZ080	NT1
		Gulf of Maine	ANZ081	
		Georges Bank	ANZ082	
		South of New England	ANZ083	
		Continental Shelf and Slope Waters of the Mid-Atl. U.S. coast north of 31N outside the coastal waters to 250 NM offshore		
		Synopsis for Offshore Waters of the Mid-Atlantic U.S. coast	ANZ089	NT2
		Hudson Canyon to Baltimore Canyon	ANZ084	
		Baltimore Canyon to Hatteras Canyon	ANZ085	
		Hatteras Canyon to Cape Fear	ANZ086	
	Waters of the Eastern Pacific Ocean adjacent to the contiguous U.S. between 60 and about 250 NM from shore	Cape Fear to 31N	ANZ088	
		WA and OR waters from 60 to 250 NM off shore:		
		Synopsis for WA and OR Offshore waters	PZZ080	PZ5
		Cape Flattery to Cape Lookout	PZZ081	
		Cape Lookout to Pt. St. George	PZZ082	
		CA waters from 60 and 250 NM Offshore:		
		Synopsis for CA Offshore waters	PZZ089	PZ6
		Pt. St. George to Point Arena	PZZ083	
		Point Arena to Point Conception	PZZ084	
		Pt. Conception to Guadalupe Island	PZZ085	

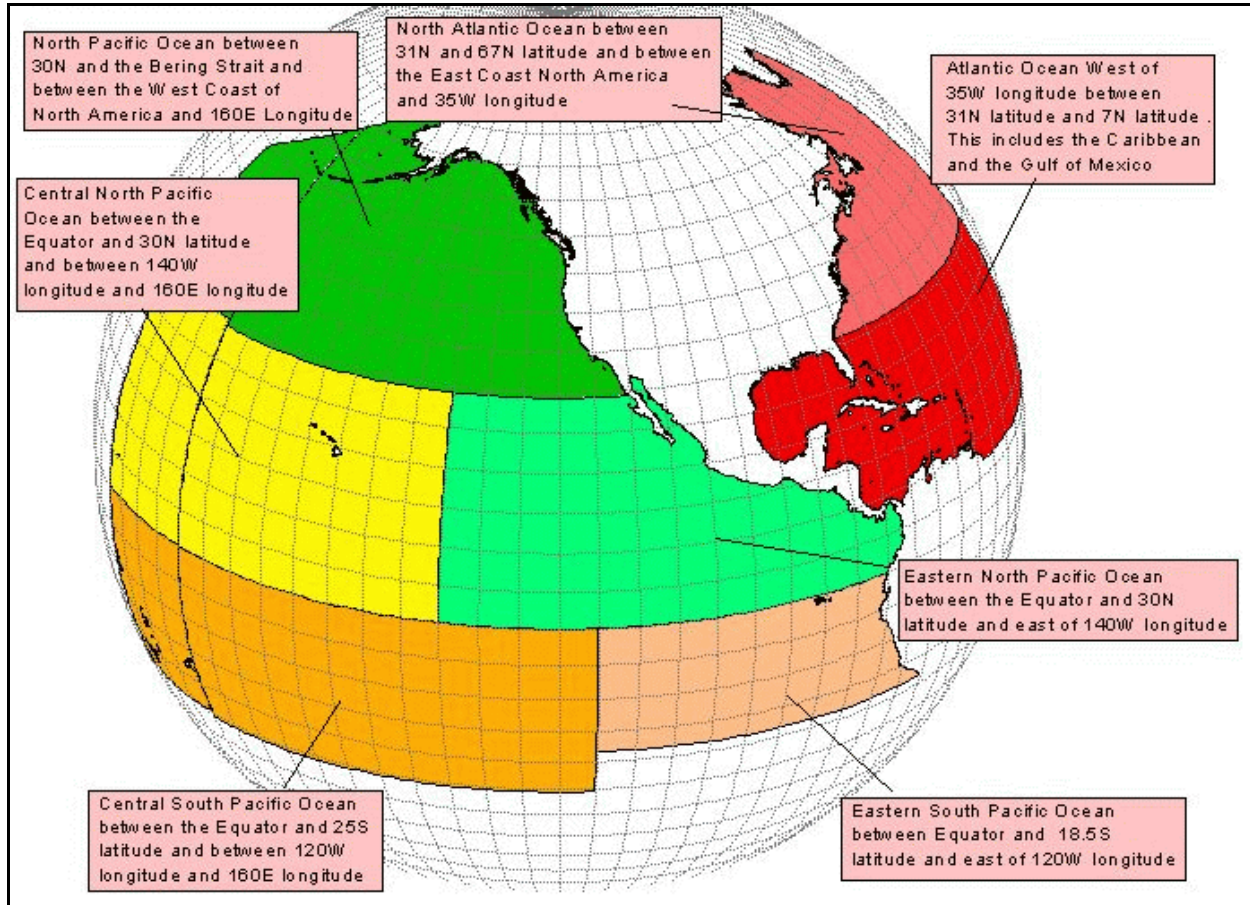
NCEP/ TPC	The Gulf of Mexico outside the Coastal Marine Forecast areas.	Offshore Waters. Fcst. for Gulf of Mexico beyond 60 NM fm. shore:		
		Synopsis for the Gulf of Mexico	GMZ089	NT4
		NW Gulf N of 25N and W of 90W	GMZ080	
		SW Gulf S of 25N and W of 90W	GMZ082	
		Middle Gulf between 85W and 90W	GMZ084	
		East Gulf between 81W and 85W	GMZ086	
	The Southwest North Atl. south of 31N and west of 65W, the Caribbean Sea, and the tropical North Atl. east of the Lesser Antilles and west of 55W between the coastal waters of South America and 22N	Offshore Waters Forecast for the Caribbean Sea and the southwest North Atlantic Ocean beyond 60 NM from shore:		
		Synopsis for Caribbean	AMZ089	NT3
		Northwest Caribbean north of 15N and west of 75W	AMZ082	
		Southwest Caribbean south of 15N and west of 75W	AMZ084	
		East Caribbean east of 75W	AMZ086	
		Synopsis for the Southwest North Atlantic, including the Bahamas	AMZ088	
		Southwest North Atlantic south of 31N and west of 65W, including the Bahamas	AMZ080	
		Tropical North Atlantic between 55W and 65W from the coastal waters of South America to 22N including waters north and east of the Leeward and Windward Islands	AMZ087	
WFO ANC	The Gulf of Alaska in the Northern Pacific Ocean north of the 55N latitude	Gulf of Alaska Offshore Waters Forecast		
		Synopsis for the Gulf of Alaska	PKZ305	ANC
		Gulf of Alaska Offshore	PKZ385	
		Extended forecast for Gulf of Alaska	PKZ395	
	The Bering Sea east of the International Dateline outside the Coastal Marine	Bering Sea Offshore Waters Forecast		
		Synopsis for the Bering Sea	PKZ300	ANC
		South Central Bering Sea Offshore	PKZ380	
		Extended forecast for South Central Bering Sea	PKZ390	

WFO	Non-coastal waters of	Hawaiian Offshore Waters Forecast		
HFO	the Pacific Ocean			
	within 240 NM of	Synopsis for Offshore waters		
	Honolulu.	Offshore waters within 240 NM of Honolulu	PHZ105	HI
			PHZ180	

4. NAVTEX Forecast Areas of Responsibility.

<u>Issue Off.</u>	<u>Geographic Heading</u>	<u>Prod. ID</u>	<u>WMO Header</u>	<u>Product Coverage (out to 200 NM)</u>	<u>NAVTEX Transmitter</u>
OPC/ ATL	Northeast U.S. waters	OFFN01	FZNT23KWNM	Eastport,ME to Sandy Hook,NJ	Boston, MA
	Mid Atl.states waters	OFFN02	FZNT24KWNM	Sandy Hook,NJ to Murrells Inlet,SC	Chesapeake, VA
	Southeastern U.S. waters	OFFN03	FZNT25KWNM	Murrells Inlet,SC to Flagler Beach,FL	Savannah,GA
TPC	SW North Atlantic E half of the Gulf of Mexico and NW Caribbean waters	OFFN04	FZNT25KNHC	Flagler Beach,FL to Suwannee River, FL	Miami, FL
	Puerto Rico and U.S. Virgin Isls. waters	OFFN05	FZNT26KNHC	Surrounding San Juan	San Juan,PR
	Gulf of Mexico waters	OFFN06	FZNT27KNHC	Suwannee River,FL to Rio Grande	New Orleans,LA
OPC/ PAC.	Southern Calif. waters	OFFN07	FZPN22KWNM	Mexican Border to Pt.Piedras Blancas,CA	Cambria, CA
	Northern Calif. waters	OFFN08	FZPN23KWNM	Pt.Piedras Blancas,CA to Pt. St. George, CA	Pt.Reyes,CA
	WA and OR waters	OFFN09	FZPN24KWNM	Pt.St.George,CA to Canadian Border	Astoria, OR

5. High Seas Forecast Areas of Responsibility.





<u>Issuing Office</u>	<u>Area</u>
NCEP/OPC	North Atlantic Ocean between 31°N and 67°N latitude and between the East Coast of the U.S. and 35°W longitude. WMO METAREA IV
	North Pacific Ocean between 30°N and 67° N and between the West Coast of the North America and east of a line from 50°N 160°E to the Bering Strait. WMO METAREA XII
NCEP/TPC	Atlantic Ocean west of 35°W longitude between 31°N latitude and 7°N latitude including the Caribbean Sea and the Gulf of Mexico. WMO METAREA IV
	Eastern North Pacific Ocean between the Equator and 30°N latitude and east of 140°W longitude. WMO METAREA XII
	Eastern South Pacific Ocean between the Equator and 18.5°S latitude and east of 120°W longitude. WMO METAREA XVI
WFO Honolulu	Central North Pacific Ocean between the Equator and 30°N latitude and between 140°W longitude and 160°E longitude. WMO METAREA XII
	Central South Pacific Ocean between the Equator and 25°S latitude and between 120°W longitude and 160°E longitude. WMO METAREA XIV

6. National Marine Sanctuary Inclusions.

<u>OFFICE</u>	<u>INCLUSION</u>
WFO Boston	THE STELLWAGEN BANK NATIONAL MARINE SANCTUARY
WFO Newport	THE MONITOR NATIONAL MARINE SANCTUARY
WFO Charleston	THE GRAYS REEF NATIONAL MARINE SANCTUARY
WFO Key West	THE FLORIDA KEYS NATIONAL MARINE SANCTUARY
TPC	THE FLOWER GARDEN BANKS NATIONAL MARINE SANCTUARY
WFO Los Angeles	THE CHANNEL ISLANDS NATIONAL MARINE SANCTUARY (Included in the Synopsis)
WFO San Fran. Bay Area at /Monterey	THE MONTEREY BAY/GULF OF THE FARALLONES/AND CORDELL BANK NATIONAL MARINE SANCTUARIES (Included in the Synopsis)
WFO Seattle	THE OLYMPIC COAST NATIONAL MARINE SANCTUARY
WFO Honolulu	THE HAWAIIAN ISLANDS HUMPBACK WHALE NATIONAL MARINE SANCTUARY
WSO Pago Pago	THE FAGATELE BAY NATIONAL MARINE SANCTUARY
WFO Gaylord	THE THUNDER BAY NATIONAL MARINE SANCTUARY

Note: Forecasters will reference the NWSI 10-1701, Text Product Format and Codes, <http://www.nws.noaa.gov/directives/010/pd01017001a.pdf>, for the proper usage of characters, case, and punctuation in the dissemination of all products.

7. Coastal and Offshore Marine Codes Listings for EAS and NWR Applications.

<u>Numeric</u>	<u>Alpha</u>	<u>Abbreviated Name of Marine Area</u> <u>Full Name of Marine Area</u>
57	PZ	EASTERN N. PACIFIC OCEAN Eastern North Pacific Ocean, and along U.S. West Coast from Canadian border to Mexican border
58	PK	N. PACIFIC OCEAN NEAR ALASKA North Pacific Ocean near Alaska, and along Alaska coastline, including the Bering Sea and the Gulf of Alaska
59	PH	CENTRAL PACIFIC OCEAN Central Pacific Ocean, including Hawaiian waters
61	PS	S. CENTRAL PACIFIC OCEAN South Central Pacific Ocean, including American Samoa waters
65	PM	WESTERN PACIFIC OCEAN Western Pacific Ocean, including Mariana Island waters
73	AN	NORTHWEST N. ATLANTIC OCEAN Western North Atlantic Ocean, and along U.S. East Coast, from Canadian border south to Currituck Beach Light, N.C.
75	AM	WEST N. ATLANTIC OCEAN Western North Atlantic Ocean, and along U.S. East Coast, south of Currituck Beach Light, N.C., following the coastline into Gulf of Mexico to Bonita Beach, FL., including the Caribbean

<u>Numeric</u>	<u>Alpha</u>	<u>Abbreviated Name of Marine Area</u> <u>Full Name of Marine Area</u>
77	GM	GULF OF MEXICO Gulf of Mexico, and along the U.S. Gulf Coast from the Mexican border to Bonita Beach, FL.
91	LS	LAKE SUPERIOR Lake Superior
92	LM	LAKE MICHIGAN Lake Michigan
93	LH	LAKE HURON Lake Huron
94	LC	LAKE ST. CLAIR Lake St. Clair
96	LE	LAKE ERIE Lake Erie
97	LO	LAKE ONTARIO Lake Ontario
98	SL	ST. LAWRENCE RIVER St. Lawrence River above St. Regis

Note: The above table can be accessed under the Code Listings for Special Applications section on the NWS' AWIPS Map Database website found at the following URL:

<http://www.nws.noaa.gov/geodata/>.